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(54) Title: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR THEIR USE

(57) Abstract

Compounds and methods for diagnosing prostate cancer are provided. The inventive compounds include polypeptides containing at least a portion of a prostate tumor protein. The inventive polypeptides may be used to generate antibodies useful for the diagnosis and monitoring of prostate cancer. Nucleic acid sequences for preparing probes, primers, and polypeptides are also provided.

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# COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR THEIR USE

#### **TECHNICAL FIELD**

The present invention relates generally to the treatment and monitoring of prostate cancer. The invention is more particularly related to polypeptides comprising at least a portion of a prostate protein. Such polypeptides may be used for the production of compounds, such as antibodies, useful for diagnosing and monitoring the progression of prostate cancer, and possibly other tumor types, in a patient.

#### BACKGROUND OF THE INVENTION

Prostate cancer is the most common form of cancer among males, with an estimated incidence of 30% in men over the age of 50. Overwhelming clinical evidence shows that human prostate cancer has the propensity to metastasize to bone, and the disease appears to progress inevitably from androgen dependent to androgen refractory status, leading to increased patient mortality. This prevalent disease is currently the second leading cause of cancer death among men in the U.S.

In spite of considerable research into diagnosis and therapy of the disease, prostate cancer remains difficult to detect and to treat. Commonly, treatment is based on surgery and/or radiation therapy, but these methods are ineffective in a significant percentage of cases. Two previously identified prostate specific proteins - prostate specific antigen (PSA) and prostatic acid phosphatase (PAP) - have limited diagnostic and therapeutic potential. For example, PSA levels do not always correlate well with the presence of prostate cancer, being positive in a percentage of non-prostate cancer cases, including benign prostatic hyperplasia (BPH). Furthermore, PSA measurements correlate with prostate volume, and do not indicate the level of metastasis.

Accordingly, there remains a need in the art for improved and diagnostic methods for prostate cancer.

### SUMMARY OF THE INVENTION

The present invention provides methods for immunodiagnosis of prostate cancer, together with kits for use in such methods. Polypeptides are disclosed which comprise at least an immunogenic portion of a prostate tumor protein or a variant of said protein that differs only in conservative substitutions and/or modifications, wherein the prostate tumor protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177, 179-224 and variants thereof. Such polypeptides may be usefully employed in the diagnosis and monitoring of prostate cancer.

In one specific aspect of the present invention methods are provided for detecting prostate cancer in a patient, comprising: (a) contacting a biological sample obtained from a patient with a binding agent that is capable of binding to one of the above polypeptides; and (b) detecting in the sample a protein or polypeptide that binds to the binding agent. In preferred embodiments, the binding agent is an antibody, most preferably a monoclonal antibody.

In related aspects, methods are provided for monitoring the progression of prostate cancer in a patient, comprising: (a) contacting a biological sample obtained from a patient with a binding agent that is capable of binding to one of the above polypeptides; (b) determining in the sample an amount of a protein or polypeptide that binds to the binding agent; (c) repeating steps (a) and (b); and comparing the amounts of polypeptide detected in steps (b) and (c).

Within related aspects, the present invention provides antibodies, preferably monoclonal antibodies, that bind to the inventive polypeptides, as well as diagnostic kits comprising such antibodies, and methods of using such antibodies to inhibit the development of prostate cancer.

The present invention further provides methods for detecting prostate cancer comprising: (a) obtaining a biological sample from a patient; (b) contacting the sample with a first and a second oligonucleotide primer in a polymerase chain reaction, at least one of the oligonucleotide primers being specific for a DNA molecule that encodes one of the above polypeptides; and (c) detecting in the sample a DNA sequence that amplifies in the presence of the first and second oligonucleotide primers. In a preferred embodiment, at least one of the

oligonucleotide primers comprises at least about 10 contiguous nucleotides of a DNA molecule having a partial sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177 and 179-224.

In a further aspect, the present invention provides a method for detecting prostate cancer in a patient comprising: (a) obtaining a biological sample from the patient; (b) contacting the sample with an oligonucleotide probe specific for a DNA molecule that encodes one of the above polypeptides; and (c) detecting in the sample a DNA sequence that hybridizes to the oligonucleotide probe. Preferably, the oligonucleotide probe comprises at least about 15 contiguous nucleotides of a DNA molecule having a partial sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177 and 179-224.

In related aspects, diagnostic kits comprising the above oligonucleotide probes or primers are provided.

These and other aspects of the present invention will become apparent upon reference to the following detailed description and attached drawings. All references disclosed herein are hereby incorporated by reference in their entirety as if each was incorporated individually.

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#### DETAILED DESCRIPTION OF THE INVENTION

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As noted above, the present invention is generally directed to compositions and methods for the immunodiagnosis and monitoring of prostate cancer. The inventive compositions are generally polypeptides that comprise at least a portion of a prostate tumor protein. Also included within the present invention are molecules (such as an antibody or fragment thereof) that bind to the inventive polypeptides. Such molecules are referred to herein as "binding agents."

In particular, the subject invention discloses polypeptides comprising at least a portion of a human prostate tumor protein, or a variant thereof such a protein, wherein the prostate tumor protein includes an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177, 179-224, the complements of said nucleotide sequences and variants thereof. As used herein, the term "polypeptide"

encompasses amino acid chains of any length, including full length proteins, wherein the amino acid residues are linked by covalent peptide bonds. Thus, a polypeptide comprising a portion of one of the above prostate proteins may consist entirely of the portion, or the portion may be present within a larger polypeptide that contains additional sequences. The additional sequences may be derived from the native protein or may be heterologous, and such sequences may be immunoreactive and/or antigenic.

As used herein, an "immunogenic portion" of a human prostate tumor protein is a portion that is capable of eliciting an immune response in a patient inflicted with prostate cancer and as such binds to antibodies present within sera from a prostate cancer patient. Immunogenic portions of the proteins described herein may thus be identified in antibody binding assays. Such assays may generally be performed using any of a variety of means known to those of ordinary skill in the art, as described, for example, in Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1988. For example, a polypeptide may be immobilized on a solid support (as described below) and contacted with patient sera to allow binding of antibodies within the sera to the immobilized polypeptide. Unbound sera may then be removed and bound antibodies detected using, for example, 125I-labeled Protein A. Alternatively, a polypeptide may be used to generate monoclonal and polyclonal antibodies for use in detection of the polypeptide in blood or other fluids of prostate cancer patients.

The compositions and methods of the present invention also encompass variants of the above polypeptides and DNA molecules. A polypeptide "variant," as used herein, is a polypeptide that differs from the recited polypeptide only in conservative substitutions and/or modifications, such that the therapeutic, antigenic and/or immunogenic properties of the polypeptide are retained. Polypeptide variants preferably exhibit at least about 70%, more preferably at least about 90% and most preferably at least about 95% identity to the identified polypeptides. For prostate tumor polypeptides with immunoreactive properties, variants may, alternatively, be identified by modifying the amino acid sequence of one of the above polypeptides, and evaluating the immunoreactivity of the modified polypeptide. For prostate tumor polypeptides useful for the generation of diagnostic binding agents, a variant may be identified by evaluating a modified polypeptide for the ability to

generate antibodies that detect the presence or absence of prostate cancer. Such modified sequences may be prepared and tested using, for example, the representative procedures described herein.

As used herein, a "conservative substitution" is one in which an amino acid is substituted for another amino acid that has similar properties, such that one skilled in the art of peptide chemistry would expect the secondary structure and hydropathic nature of the polypeptide to be substantially unchanged. In general, the following groups of amino acids represent conservative changes: (1) ala, pro, gly, glu, asp, gln, asn, ser, thr. (2) cys, ser, tyr, thr. (3) val, ile, leu, met, ala, phe; (4) lys, arg, his; and (5) phe, tyr, trp, his.

Variants may also, or alternatively, contain other modifications, including the deletion or addition of amino acids that have minimal influence on the antigenic properties, secondary structure and hydropathic nature of the polypeptide. For example, a polypeptide may be conjugated to a signal (or leader) sequence at the N-terminal end of the protein which co-translationally or post-translationally directs transfer of the protein. The polypeptide may also be conjugated to a linker or other sequence for ease of synthesis, purification or identification of the polypeptide (e.g., poly-His), or to enhance binding of the polypeptide to a solid support. For example, a polypeptide may be conjugated to an immunoglobulin Fc region.

A nucleotide "variant" is a sequence that differs from the recited nucleotide sequence in having one or more nucleotide deletions, substitutions or additions. Such modifications may be readily introduced using standard mutagenesis techniques, such as oligonucleotide-directed site-specific mutagenesis as taught, for example, by Adelman et al. (DNA, 2:183, 1983). Nucleotide variants may be naturally occurring allelic variants, or non-naturally occurring variants. Variant nucleotide sequences preferably exhibit at least about 70%, more preferably at least about 80% and most preferably at least about 90% identity to the recited sequence. Such variant nucleotide sequences will generally hybridize to the recite nucleotide sequence under stringent conditions. As used herein, "stringent conditions" refers to prewashing in a solution of 6X SSC, 0.2% SDS; hybridizing at 65 °C, 6X SSC, 0.2% SDS overnight; followed by two washes of 30 minutes each in 1X SSC, 0.1% SDS at 65 °C and two washes of 30 minutes each in 0.2X SSC, 0.1% SDS at 65 °C.

"Polypeptides" as used herein also include combination, or fusion, polypeptides. A "combination polypeptide" is a polypeptide comprising at least one of the above immunogenic portions and one or more additional immunogenic prostate tumor-specific sequences, which are joined via a peptide linkage into a single amino acid chain. The sequences may be joined directly (i.e., with no intervening amino acids) or may be joined by way of a linked sequence (e.g., Gly-Cys-Gly) that does not significantly diminish the immunogenic properties of the component polypeptides.

The prostate tumor proteins of the present invention, and DNA molecules encoding such proteins, may be isolated from prostate tumor tissue using any of a variety of methods well known in the art. DNA sequences corresponding to a gene (of a portion thereof) encoding one of the inventive prostate tumor proteins may be isolated from a prostate tumor cDNA library using a subtraction technique as described in detail below. Examples of such DNA sequences are provided in SEQ ID Nos: 1-107, 109-111, 115-171, 173-175, 177 and 179-224. Partial DNA sequences thus obtained may be used to design oligonucleotide primers for the amplification of full-length DNA sequences in a polymerase chain reaction (PCR), using techniques well known in the art (see, for example, Mullis et al., Cold Spring Harbor Symp. Quant. Biol., 51:263, 1987; Erlich ed., PCR Technology, Stockton Press, NY, 1989). Once a DNA sequence encoding a polypeptide is obtained, any of the above modifications may be readily introduced using standard mutagenesis techniques, such as oligonucleotide-directed site-specific mutagenesis as taught, for example, by Adelman et al. (DNA, 2:183, 1983).

The prostate tumor polypeptides disclosed herein may also be generated by synthetic or recombinant means. Synthetic polypeptides having fewer than about 100 amino acids, and generally fewer than about 50 amino acids, may be generated using techniques well known to those of ordinary skill in the art. For example, such polypeptides may be synthesized using any of the commercially available solid-phase techniques, such as the Merrifield solid-phase synthesis method, where amino acids are sequentially added to a growing amino acid chain (see, for example, Merrifield, *J. Am. Chem. Soc.* 85:2149-2146, 1963). Equipment for automated synthesis of polypeptides is commercially available from

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suppliers such as Perkin Elmer/Applied BioSystems Division (Foster City, CA), and may be operated according to the manufacturer's instructions.

Alternatively, any of the above polypeptides may be produced recombinantly by inserting a DNA sequence that encodes the polypeptide into an expression vector and expressing the protein in an appropriate host. Any of a variety of expression vectors known to those of ordinary skill in the art may be employed to express recombinant polypeptides of this invention. Expression may be achieved in any appropriate host cell that has been transformed or transfected with an expression vector containing a DNA molecule that encodes a recombinant polypeptide. Suitable host cells include prokarvotes, yeast and higher eukaryotic cells. Preferably, the host cells employed are *E. coli*, yeast or a mammalian cell line, such as CHO cells. The DNA sequences expressed in this manner may encode naturally occurring polypeptides, portions of naturally occurring polypeptides, or other variants thereof.

In general, regardless of the method of preparation, the polypeptides disclosed herein are prepared in substantially pure form (i.e., the polypeptides are homogenous as determined by amino acid composition and primary sequence analysis). Preferably, the polypeptides are at least about 90% pure, more preferably at least about 95% pure and most preferably at least about 99% pure. In certain embodiments, described in more detail below, the substantially pure polypeptides are incorporated into pharmaceutical compositions or vaccines for use in one or more of the methods disclosed herein.

In a related aspect, the present invention provides fusion proteins comprising a first and a second inventive polypeptide or, alternatively, a polypeptide of the present invention and a known prostate antigen, together with variants of such fusion proteins. The fusion proteins of the present invention may also include a linker peptide between the first and second polypeptides.

A DNA sequence encoding a fusion protein of the present invention is constructed using known recombinant DNA techniques to assemble separate DNA sequences encoding the first and second polypeptides into an appropriate expression vector. The 3' end of a DNA sequence encoding the first polypeptide is ligated, with or without a peptide linker, to the 5' end of a DNA sequence encoding the second polypeptide so that the reading frames

of the sequences are in phase to permit mRNA translation of the two DNA sequences into a single fusion protein that retains the biological activity of both the first and the second polypeptides.

A peptide linker sequence may be employed to separate the first and the second polypeptides by a distance sufficient to ensure that each polypeptide folds into its secondary and tertiary structures. Such a peptide linker sequence is incorporated into the fusion protein using standard techniques well known in the art. Suitable peptide linker sequences may be chosen based on the following factors: (1) their ability to adopt a flexible extended conformation; (2) their inability to adopt a secondary structure that could interact with functional epitopes on the first and second polypeptides; and (3) the lack of hydrophobic or charged residues that might react with the polypeptide functional epitopes. Preferred peptide linker sequences contain Gly, Asn and Ser residues. Other near neutral amino acids, such as Thr and Ala may also be used in the linker sequence. Amino acid sequences which may be usefully employed as linkers include those disclosed in Maratea et al., Gene 40:39-46, 1985; Murphy et al., Proc. Natl. Acad Sci. USA 83:8258-8262, 1986; U.S. Patent No. 4,935,233 and U.S. Patent No. 4,751,180. The linker sequence may be from 1 to about 50 amino acids in length. Peptide sequences are not required when the first and second polypeptides have non-essential N-terminal amino acid regions that can be used to separate the functional domains and prevent steric interference:

The ligated DNA sequences are operably linked to suitable transcriptional or translational regulatory elements. The regulatory elements responsible for expression of DNA are located only 5' to the DNA sequence encoding the first polypeptides. Similarly, stop codons require to end translation and transcription termination signals are only present 3' to the DNA sequence encoding the second polypeptide.

Polypeptides and/or fusion proteins of the present invention may be used to generate binding agents, such as antibodies or fragments thereof, that are capable of detecting metastatic human prostate tumors. Binding agents of the present invention may generally be prepared using methods known to those of ordinary skill in the art, including the representative procedures described herein. Binding agents are capable of differentiating between patients with and without prostate cancer, using the representative assays described

herein. In other words, antibodies or other binding agents raised against a prostate tumor protein, or a suitable portion thereof, will generate a signal indicating the presence of primary or metastatic prostate cancer in at least about 20% of patients afflicted with the disease, and will generate a negative signal indicating the absence of the disease in at least about 90% of individuals without primary or metastatic prostate cancer. Suitable portions of such prostate tumor proteins are portions that are able to generate a binding agent that indicates the presence of primary or metastatic prostate cancer in substantially all (i.e., at least about 80%, and preferably at least about 90%) of the patients for which prostate cancer would be indicated using the full length protein, and that indicate the absence of prostate cancer in substantially all of those samples that would be negative when tested with full length protein. The representative assays described below, such as the two-antibody sandwich assay, may generally be employed for evaluating the ability of a binding agent to detect metastatic human prostate tumors.

The ability of a polypeptide and/or fusion protein prepared as described herein to generate antibodies capable of detecting primary or metastatic human prostate tumors may generally be evaluated by raising one or more antibodies against the polypeptide (using, for example, a representative method described herein) and determining the ability of such antibodies to detect such tumors in patients. This determination may be made by assaying biological samples from patients with and without primary or metastatic prostate cancer for the presence of a polypeptide that binds to the generated antibodies. Such test assays may be performed, for example, using a representative procedure described below. Polypeptides that generate antibodies capable of detecting at least 20% of primary or metastatic prostate tumors by such procedures are considered to be useful in assays for detecting primary or metastatic human prostate tumors. Polypeptide specific antibodies may be used alone or in combination to improve sensitivity.

Polypeptides and/or fusion proteins capable of detecting primary or metastatic thuman prostate tumors may be used as markers for diagnosing prostate cancer or for monitoring disease progression in patients. In one embodiment, prostate cancer in a patient may be diagnosed by evaluating a biological sample obtained from the patient for the level of

one or more of the above polypeptides, relative to a predetermined cut-off value. As used herein, suitable "biological samples" include blood, sera, urine and/or prostate secretions.

The level of one or more of the above polypeptides may be evaluated using any binding agent specific for the polypeptide(s). A "binding agent," in the context of this invention, is any agent (such as a compound or a cell) that binds to a polypeptide as described above. As used herein, "binding" refers to a noncovalent association between two separate molecules (each of which may be free (i.e., in solution) or present on the surface of a cell or a solid support), such that a "complex" is formed. Such a complex may be free or immobilized (either covalently or noncovalently) on a support material. The ability to bind may generally be evaluated by determining a binding constant for the formation of the complex. The binding constant is the value obtained when the concentration of the complex is divided by the product of the component concentrations. In general, two compounds are said to "bind" in the context of the present invention when the binding constant for complex formation exceeds about 10<sup>3</sup> L/mol. The binding constant may be determined using methods well known to those of ordinary skill in the art.

Any agent that satisfies the above requirements may be a binding agent. For example, a binding agent may be a ribosome with or without a peptide component, an RNA molecule or a peptide. In a preferred embodiment, the binding partner is an antibody, or a fragment thereof. Such antibodies may be polyclonal, or monoclonal. In addition, the antibodies may be single chain, chimeric, CDR-grafted or humanized. Antibodies may be prepared by the methods described herein and by other methods well known to those of skill in the art.

There are a variety of assay formats known to those of ordinary skill in the art for using a binding partner to detect polypeptide markers in a sample. See, e.g., Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory, 1988. In a preferred embodiment, the assay involves the use of binding partner immobilized on a solid support to bind to and remove the polypeptide from the remainder of the sample. The bound polypeptide may then be detected using a second binding partner that contains a reporter group. Suitable second binding partners include antibodies that bind to the binding partner/polypeptide complex. Alternatively, a competitive assay may be utilized, in which a

polypeptide is labeled with a reporter group and allowed to bind to the immobilized binding partner after incubation of the binding partner with the sample. The extent to which components of the sample inhibit the binding of the labeled polypeptide to the binding partner is indicative of the reactivity of the sample with the immobilized binding partner.

The solid support may be any material known to those of ordinary skill in the art to which the antigen may be attached. For example, the solid support may be a test well in a microtiter plate or a nitrocellulose or other suitable membrane. Alternatively, the support may be a bead or disc, such as glass, fiberglass, latex or a plastic material such as polystyrene or polyvinylchloride. The support may also be a magnetic particle or a fiber optic sensor, such as those disclosed, for example, in U.S. Patent No. 5,359,681. The binding agent may be immebilized on the solid support using a variety of techniques known to those of skill in the art, which are amply described in the patent and scientific literature. In the context of the present invention, the term "immobilization" refers to both noncovalent association, such as adsorption, and covalent attachment (which may be a direct linkage between the antigen and functional groups on the support or may be a linkage by way of a cross-linking agent). Immobilization by adsorption to a well in a microtiter plate or to a membrane is preferred. In such cases, adsorption may be achieved by contacting the binding agent, in a suitable buffer, with the solid support for a suitable amount of time. The contact time varies with temperature, but is typically between about 1 hour and about 1 day. In general, contacting a well of a plastic microtiter plate (such as polystyrene or polyvinylchloride) with an amount of binding agent ranging from about 10 ng to about 10 µg, and preferably about 100 ng to about  $1 \mu g$ , is sufficient to immobilize an adequate amount of binding agent.

Covalent attachment of binding agent to a solid support may generally be achieved by first reacting the support with a bifunctional reagent that will react with both the support and a functional group, such as a hydroxyl or amino group, on the binding agent. For example, the binding agent may be covalently attached to supports having an appropriate polymer coating using benzoquinone or by condensation of an aldehyde group on the support with an amine and an active hydrogen on the binding partner (see, e.g., Pierce Immunotechnology Catalog and Handbook, 1991, at A12-A13).

In certain embodiments, the assay is a two-antibody sandwich assay. This assay may be performed by first contacting an antibody that has been immobilized on a solid support, commonly the well of a microtiter plate, with the sample, such that polypeptides within the sample are allowed to bind to the immobilized antibody. Unbound sample is then removed from the immobilized polypeptide-antibody complexes and a second antibody (containing a reporter group) capable of binding to a different site on the polypeptide is added. The amount of second antibody that remains bound to the solid support is then determined using a method appropriate for the specific reporter group.

More specifically, once the antibody is immobilized on the support as described above, the remaining protein binding sites on the support are typically blocked. Any suitable blocking agent known to those of ordinary skill in the art, such as bovine serum albumin or Tween 20<sup>TM</sup> (Sigma Chemical Co., St. Louis, MO). The immobilized antibody is then incubated with the sample, and polypeptide is allowed to bind to the antibody. The sample may be diluted with a suitable diluent, such as phosphate-buffered saline (PBS) prior to incubation. In general, an appropriate contact time (i.e., incubation time) is that period of time that is sufficient to detect the presence of polypeptide within a sample obtained from an individual with prostate cancer. Preferably, the contact time is sufficient to achieve a level of binding that is at least about 95% of that achieved at equilibrium between bound and unbound polypeptide. Those of ordinary skill in the art will recognize that the time necessary to achieve equilibrium may be readily determined by assaying the level of binding that occurs over a period of time. At room temperature, an incubation time of about 30 minutes is generally sufficient.

Unbound sample may then be removed by washing the solid support with an appropriate buffer, such as PBS containing 0.1% Tween 20<sup>™</sup>. The second antibody, which contains a reporter group, may then be added to the solid support. Preferred reporter groups include enzymes (such as horseradish peroxidase), substrates, cofactors, inhibitors, dyes, radionuclides, luminescent groups, fluorescent groups and biotin. The conjugation of antibody to reporter group may be achieved using standard methods known to those of ordinary skill in the art.

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The second antibody is then incubated with the immobilized antibody-polypeptide complex for an amount of time sufficient to detect the bound polypeptide. An appropriate amount of time may generally be determined by assaying the level of binding that occurs over a period of time. Unbound second antibody is then removed and bound second antibody is detected using the reporter group. The method employed for detecting the reporter group depends upon the nature of the reporter group. For radioactive groups, scintillation counting or autoradiographic methods are generally appropriate. Spectroscopic methods may be used to detect dyes, luminescent groups and fluorescent groups. Biotin may be detected using avidin, coupled to a different reporter group (commonly a radioactive or fluorescent group or an enzyme). Enzyme reporter groups may generally be detected by the addition of substrate (generally for a specific period of time), followed by spectroscopic or other analysis of the reaction products.

To determine the presence or absence of prostate cancer, the signal detected from the reporter group that remains bound to the solid support is generally compared to a signal that corresponds to a predetermined cut-off value. In one preferred embodiment, the cut-off value is the average mean signal obtained when the immobilized antibody is incubated with samples from patients without prostate cancer. In general, a sample generating a signal that is three standard deviations above the predetermined cut-off value is considered positive for prostate cancer. In an alternate preferred embodiment, the cut-off value is determined using a Receiver Operator Curve, according to the method of Sackett et al., Clinical Epidemiology: A Basic Science for Clinical Medicine, Little Brown and Co., 1985, p. 106-7. Briefly, in this embodiment, the cut-off value may be determined from a plot of pairs of true positive rates (i.e., sensitivity) and false positive rates (100%-specificity) that correspond to each possible cut-off value for the diagnostic test result. The cut-off value on the plot that is the closest to the upper left-hand corner (i.e., the value that encloses the largest area) is the most accurate cut-off value, and a sample generating a signal that is higher than the cut-off value determined by this method may be considered positive. Alternatively, the cut-off value may be shifted to the left along the plot, to minimize the false positive rate, or to the right, to minimize the false negative rate. In general, a sample generating a signal that is higher than the cut-off value determined by this method is considered positive for prostate cancer.

In a related embodiment, the assay is performed in a flow-through or strip test format, wherein the antibody is immobilized on a membrane, such as nitrocellulose. In the flow-through test, polypeptides within the sample bind to the immobilized antibody as the sample passes through the membrane. A second, labeled antibody then binds to the antibodypolypeptide complex as a solution containing the second antibody flows through the membrane. The detection of bound second antibody may then be performed as described above. In the strip test format, one end of the membrane to which antibody is bound is inmersed in a solution containing the sample. The sample migrates along the membrane through a region containing second antibody and to the area of immobilized antibody. Concentration of second antibody at the area of immobilized antibody indicates the presence of prostate cancer. Typically, the concentration of second antibody at that site generates a pattern, such as a line, that can be read visually. The absence of such a pattern indicates a negative result. In general, the amount of antibody immobilized on the membrane is selected to generate a visually discernible pattern when the biological sample contains a level of polypeptide that would be sufficient to generate a positive signal in the two-antibody sandwich assay, in the format discussed above. Preferably, the amount of antibody immobilized on the membrane ranges from about 25 ng to about 1µg, and more preferably from about 50 ng to about 500 ng. Such tests can typically be performed with a very small amount of biological sample.

Of course, numerous other assay protocols exist that are suitable for use with the antigens or antibodies of the present invention. The above descriptions are intended to be exemplary only.

In another embodiment, the above polypeptides may be used as markers for the progression of prostate cancer. In this embodiment, assays as described above for the diagnosis of prostate cancer may be performed over time, and the change in the level of reactive polypeptide(s) evaluated. For example, the assays may be performed every 24-72 hours for a period of 6 months to 1 year, and thereafter performed as needed. In general, prostate cancer is progressing in those patients in whom the level of polypeptide detected by the binding agent increases over time. In contrast, prostate cancer is not progressing when the level of reactive polypeptide either remains constant or decreases with time.

Antibodies for use in the above methods may be prepared by any of a variety of techniques known to those of ordinary skill in the art. See, e.g., Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory, 1988. In one such technique, an immunogen comprising the antigenic polypeptide is initially injected into any of a wide variety of mammals (e.g., mice, rats, rabbits, sheep and goats). In this step, the polypeptides of this invention may serve as the immunogen without modification. Alternatively, particularly for relatively short polypeptides, a superior immune response may be elicited if the polypeptide is joined to a carrier protein, such as bovine serum albumin or keyhole limpet hemocyanin. The immunogen is injected into the animal host, preferably according to a predetermined schedule incorporating one or more booster immunizations, and the animals are bled periodically. Polyclonal antibodies specific for the polypeptide may then be purified from such antisera by, for example, affinity chromatography using the polypeptide coupled to a suitable solid support.

Monoclonal antibodies specific for the antigenic polypeptide of interest may be prepared, for example, using the technique of Kohler and Milstein, Eur. J. Immunol. 6:511-519, 1976, and improvements therethe Briefly, these methods involve the preparation of immortal cell lines capable of producing antibodies having the desired specificity (i.e., reactivity with the polypeptide of interest). Such cell lines may be produced, for example, from spleen cells obtained from an animal immunized as described above. The spleen cells are then immortalized by, for example, fusion with a myeloma cell fusion partner, preferably one that is syngeneic with the immunized animal. A variety of fusion techniques may be employed. For example, the spleen cells and myeloma cells may be combined with a nonionic detergent for a few minutes and then plated at low density on a selective medium that supports the growth of hybrid cells, but not myeloma cells. A preferred selection technique uses HAT (hypoxanthine, aminopterin, thymidine) selection. After a sufficient time, usually about 1 to 2 weeks, colonies of hybrids are observed. Single colonies are selected and tested for binding activity against the polypeptide. Hybridomas having high reactivity and specificity are preferred.

Monoclonal antibodies may be isolated from the supernatants of growing hybridoma colonies. In addition, various techniques may be employed to enhance the yield,

such as injection of the hybridoma cell line into the peritoneal cavity of a suitable vertebrate host, such as a mouse. Monoclonal antibodies may then be harvested from the ascites fluid or the blood. Contaminants may be removed from the antibodies by conventional techniques, such as chromatography, gel filtration, precipitation, and extraction. The polypeptides of this invention may be used in the purification process in, for example, an affinity chromatography step.

Monoclonal antibodies of the present invention may also be used as therapeutic reagents, to diminish or eliminate prostate tumors. The antibodies may be used on their own (for instance, to inhibit metastases) or coupled to one or more therapeutic agents. Suitable agents in this regard include radionuclides, differentiation inducers, drugs, toxins, and derivatives thereof. Preferred radionuclides include <sup>90</sup>Y, <sup>123</sup>I, <sup>125</sup>I, <sup>131</sup>I, <sup>186</sup>Re, <sup>188</sup>Re, <sup>211</sup>At, and <sup>212</sup>Bi. Preferred drugs include methotrexate, and pyrimidine and purine analogs. Preferred differentiation inducers include phorbol esters and butyric acid. Preferred toxins include ricin, abrin, diptheria toxin, cholera toxin, gelonin, Pseudomonas exotoxin, Shigella toxin, and pokeweed antiviral protein.

A therapeutic agent may be coupled (e.g., covalently bonded) to a suitable monoclonal antibody either directly or indirectly (e.g., via a linker group). A direct reaction between an agent and an antibody is possible when each possesses a substituent capable of reacting with the other. For example, a nucleophilic group, such as an amino or sulfhydryl group, on one may be capable of reacting with a carbonyl-containing group, such as an anhydride or an acid halide, or with an alkyl group containing a good leaving group (e.g., a halide) on the other.

Alternatively, it may be desirable to couple a therapeutic agent and an antibody via a linker group. A linker group can function as a spacer to distance an antibody from an agent in order to avoid interference with binding capabilities. A linker group can also serve to increase the chemical reactivity of a substituent on an agent or an antibody, and thus increase the coupling efficiency. An increase in chemical reactivity may also facilitate the use of agents, or functional groups on agents, which otherwise would not be possible.

It will be evident to those skilled in the art that a variety of bifunctional or polyfunctional reagents, both homo- and hetero-functional (such as those described in the

catalog of the Pierce Chemical Co., Rockford, IL), may be employed as the linker group. Coupling may be effected, for example, through amino groups, carboxyl groups, sulfhydryl groups or oxidized carbohydrate residues. There are numerous references describing such methodology, e.g., U.S. Patent No. 4,671,958, to Rodwell et al.

Where a therapeutic agent is more potent when free from the antibody portion of the immunoconjugates of the present invention, it may be desirable to use a linker group which is cleavable during or upon internalization into a cell. A number of different cleavable linker groups have been described. The mechanisms for the intracellular release of an agent from these linker groups include cleavage by reduction of a disulfide bond (e.g., U.S. Patent No. 4,489,710, to Spitler), by irradiation of a photolabile bond (e.g., U.S. Patent No. 4,625,014, to Senter et al.), by hydrolysis of derivatized amino acid side chains (e.g., U.S. Patent No. 4,638,045, to Kohn et al.), by serum complement-mediated hydrolysis (e.g., U.S. Patent No. 4,671,958, to Rodwell et al.), and acid-catalyzed hydrolysis (e.g., U.S. Patent No. 4,569,789, to Blattler et al.).

It may be desirable to couple more than one agent to an antibody. In one embodiment, multiple molecules of an agent are coupled to one antibody molecule. In another embodiment, more than one type of agent may be coupled to one antibody. Regardless of the particular embodiment, immunoconjugates with more than one agent may be prepared in a variety of ways. For example, more than one agent may be coupled directly to an antibody molecule, or linkers which provide multiple sites for attachment can be used. Alternatively, a carrier can be used.

A carrier may bear the agents in a variety of ways, including covalent bonding either directly or via a linker group. Suitable carriers include proteins such as albumins (e.g., U.S. Patent No. 4,507,234, to Kato et al.), peptides and polysaccharides such as aminodextran (e.g., U.S. Patent No. 4,699,784, to Shih et al.). A carrier may also bear an agent by noncovalent bonding or by encapsulation, such as within a liposome vesicle (e.g., U.S. Patent Nos. 4,429,008 and 4,873,088). Carriers specific for radionuclide agents include radiohalogenated small molecules and chelating compounds. For example, U.S. Patent No. 4,735,792 discloses representative radiohalogenated small molecules and their synthesis. A radionuclide chelate may be formed from chelating compounds that include those containing

nitrogen and sulfur atoms as the donor atoms for binding the metal, or metal oxide, radionuclide. For example, U.S. Patent No. 4,673,562, to Davison et al. discloses representative chelating compounds and their synthesis.

A variety of routes of administration for the antibodies and immunoconjugates may be used. Typically, administration will be intravenous, intramuscular, subcutaneous or in the bed of a resected tumor. It will be evident that the precise dose of the antibody/immunoconjugate will vary depending upon the antibody used, the antigen density on the tumor, and the rate of clearance of the antibody.

Diagnostic reagents of the present invention may also comprise DNA sequences encoding one or more of the above polypeptides, or one or more portions thereof. For example, at least two oligonucleotide primers may be employed in a polymerase chain reaction (PCR) based assay to amplify prostate tumor-specific cDNA derived from a biological sample, wherein at least one of the oligonucleotide primers is specific for a DNA molecule encoding a prostate tumor protein of the present invention. The presence of the amplified cDNA is then detected using techniques well known in the art, such as gel electrophoresis. Similarly, oligonucleotide probes specific for a DNA molecule encoding a prostate tumor protein of the present invention may be used in a hybridization assay to detect the presence of an inventive polypeptide in a biological sample.

As used herein, the term "oligonucleotide primer/probe specific for a DNA molecule" means an oligonucleotide sequence that has at least about 80%, preferably at least about 90% and more preferably at least about 95%, identity to the DNA molecule in question. Oligonucleotide primers and/or probes which may be usefully employed in the inventive diagnostic methods preferably have at least about 10-40 nucleotides. In a preferred embodiment, the oligonucleotide primers comprise at least about 10 contiguous nucleotides of a DNA molecule having a sequence selected from SEQ ID Nos: 1-107, 109-111, 115-171, 173-175, 177 and 179-224. Preferably, oligonucleotide probes for use in the inventive diagnostic methods comprise at least about 15 contiguous oligonucleotides of a DNA molecule having a sequence provided in SEQ ID Nos: 1-107, 109-111, 115-171, 173-175, 177 and 179-224. Techniques for both PCR based assays and hybridization assays are well known in the art (see, for example, Mullis et al. *Ibid*; Ehrlich, *Ibid*). Primers or probes may

thus be used to detect prostate tumor-specific sequences in biological samples, including blood, semen, prestate tissue and/or prostate tumor tissue.

Polypeptides of the present invention that comprise an immunogenic portion of a prostate tumor protein may also be used for immunotherapy of prostate cancer, wherein the polypeptide stimulates the patient's own immune response to prostate tumor cells. In further aspects, the present invention provides methods for using one or more of the immunoreactive polypeptides encoded by a DNA molecule having a sequence provided in SEQ ID NO: 1-107, 109-111, 115-171, 173-175, 177 and 179-224 (or DNA encoding such polypeptides) for immunotherapy of prostate cancer in a patient. As used herein, a "patient" refers to any warm-blooded animal, preferably a human. A patient may be afflicted with a disease, or may be free of detectable disease. Accordingly, the above immunoreactive polypeptides may be used to treat prostate cancer or to inhibit the development of prostate cancer. The polypeptides may be administered either prior to or following surgical removal of primary tumors and/or treatment by administration of radiotherapy and conventional in chemotherapeutic drugs.

In these aspects, the polypeptide is generally present within a pharmaceutical composition and/or a vaccine. Pharmaceutical compositions may comprise one or more polypeptides, each of which may contain one or more of the above sequences (or variants thereof), and a physiologically acceptable carrier. The vaccines may comprise one or more of such polypeptides and a non-specific immune response enhancer, such as an adjuvant, biodegradable microsphere (e.g., polylactic galactide) or a liposome (into which the polypeptide is incorporated). Pharmaceutical compositions and vaccines may also contain other epitopes of prostate tumor antigens, either incorporated into a combination polypeptide (i.e., a single polypeptide that contains multiple epitopes) or present-within a separate polypeptide.

Alternatively, a pharmaceutical composition or vaccine may contain DNA encoding one or more of the above polypeptides, such that the polypeptide is generated in situ. In such pharmaceutical compositions and vaccines, the DNA may be present within any of a variety of delivery systems known to those of ordinary skill in the art, including nucleic acid expression systems, bacteria and viral expression systems. Appropriate nucleic acid

expression systems contain the necessary DNA sequences for expression in the patient (such as a suitable promoter). Bacterial delivery systems involve the administration of a bacterium (such as Bacillus-Calmette-Guerrin) that expresses an epitope of a prostate cell antigen on its cell surface. In a preferred embodiment, the DNA may be introduced using a viral expression system (e.g., vaccinia or other pox virus, retrovirus, or adenovirus), which may involve the use of a non-pathogenic (defective), replication competent virus. Suitable systems are disclosed, for example, in Fisher-Hoch et al., PNAS 86:317-321, 1989; Flexner et al., Ann. N.Y. Acad. Sci. 569:86-103, 1989; Flexner et al., Vaccine 8:17-21, 1990; U.S. Patent Nos. 4,603,112, 4,769,330, and 5,017,487; WO 89/01973; U.S.: Patent No. 4,777,127; GB 2,200,651; EP 0,345,242; WO 91/02805; Berkner, Biotechniques 6:616-627, 1988; Rosenfeld et al., Science 252:431-434, 1991; Kolls et al., PNAS 91:215-219, 1994; Kass-Eisler et al., PNAS 90:11498-11502, 1993; Guzman et al., Circulation 88:2838-2848, 1993; and Guzman et al., Cir. Res. 73:1202-1207, 1993. Techniques for incorporating DNA into such expression systems are well known to those of ordinary skill in the art. The DNA may also be "naked," as described, for example, in published PCT application WO 90/11092, and Ulmer et al., Science 259:1745-1749, 1993, reviewed by Cohen, Science 259:1691-1692, 1993. The uptake of naked DNA may be increased by coating the DNA onto biodegradable beads, which are efficiently transported into the cells.

Routes and frequency of administration, as well as dosage, will vary from individual to individual and may parallel those currently being used in immunotherapy of other diseases. In general, the pharmaceutical compositions and vaccines may be administered by injection (e.g., intracutaneous, intramuscular, intravenous or subcutaneous), intranasally (e.g., by aspiration) or orally. Between 1 and 10 doses may be administered over a 3-24 week period. Preferably, 4 doses are administered, at an interval of 3 months, and booster administrations may be given periodically thereafter. Alternate protocols may be appropriate for individual patients. A suitable dose is an amount of polypeptide or DNA that is effective to raise an immune response (cellular and/or humoral) against prostate tumor cells in a treated patient. A suitable immune response is at least 10-50% above the basal (i.e., untreated) level. In general, the amount of polypeptide present in a dose (or produced in situ by the DNA in a dose) ranges from about 1 pg to about 100 mg per kg of host, typically from

about 10 pg to about 1 mg, and preferably from about 100 pg to about 1 µg. Suitable dose sizes will vary with the size of the patient, but will typically range from about 0.01 mL to about 5 mL.

While any suitable carrier known to those of ordinary skill in the art may be employed in the pharmaceutical compositions of this invention, the type of carrier will vary depending on the mode of administration. For parenteral administration, such as subcutaneous injection, the carrier preferably comprises water, saline, alcohol, a lipid, a wax and/or a buffer. For oral administration, any of the above carriers or a solid carrier, such as mannitol, lactose, starch, magnesium stearate, sodium saccharine, talcum, cellulose, glucose, sucrose, and/or magnesium carbonate, may be employed. Biodegradable microspheres (e.g., polylactic glycolide) may also be employed as carriers for the pharmaceutical compositions of this invention. Suitable biodegradable microspheres are disclosed, for example, in U.S. Patent Nos. 4,897,268 and 5,075,109.

Any of a variety of non-specific immune response enhancers may be employed in the vaccines of this invention. For example, an adjuvant may be included. Most adjuvants contain a substance designed to protect the antigen from rapid catabolism, such as aluminum hydroxide or mineral oil, and a nonspecific stimulator of immune response, such as lipid A, Bordella pertussis or Mycobacterium tuberculosis. Such adjuvants are commercially available as, for example, Freund's Incomplete Adjuvant and Complete Adjuvant (Difco Laboratories, Detroit, MI) and Merck Adjuvant 65 (Merck and Company, Inc., Rahway, NJ).

Polypeptides disclosed herein may also be employed in ex vivo treatment of prostate cancer. For example, cells of the immune system, such as T cells, may be isolated from the peripheral blood of a patient, using a commercially available cell separation system, such as CellPro Incorporated's (Bothell, WA) CEPRATE™ system (see U.S. Patent No. 5,240,856; U.S. Patent No. 5,215,926; WO 89/06280; WO 91/16116 and WO 92/07243). The separated cells are stimulated with one or more of the immunoreactive polypeptides contained within a delivery vehicle, such as a microsphere, to provide antigen-specific T cells. The population of tumor antigen-specific T cells is then expanded using standard techniques and the cells are administered back to the patient.

The following Examples are offered by way of illustration and not by way of limitation.

# EXAMPLES :

## EXAMPLE 1

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ISOLATION AND CHARACTERIZATION OF PROSTATE TUMOR POLYPEPTIDES

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This Example describes the isolation of prostate tumor polypeptides from a prostate tumor cDNA library.

A human prostate tumor cDNA expression library was constructed from prostate tumor poly A<sup>+</sup> RNA using a Superscript Plasmid System for cDNA Synthesis and Plasmid Cloning kit (BRL Life Technologies, Gaithersburg, MD 20897) following the manufacturer's protocol. Specifically, prostate tumor tissues were homogenized with polytron (Kinematica, Switzerland) and total RNA was extracted using Trizol reagent (BRL Life Technologies) as directed by the manufacturer. The poly A<sup>+</sup> RNA was then purified using a Qiagen oligotex spin column mRNA purification kit (Qiagen, Santa Clarita, CA 91355) according to the manufacturer's protocol. First-strand cDNA was synthesized using the Notl/Cligo-dT18 primer. Double-stranded cDNA was synthesized, ligated with EcoRI/BAXI adaptors (Invitrogen, San Diego, CA) and digested with Notl. Following size fractionation with Chroma Spin-1000 columns (Clontech, Palo Alto, CA 94303), the cDNA was ligated into the EcoRI/Notl site of pCDNA3.1 (Invitrogen) and transformed into ElectroMax E. coli DH10B cells (BRL Life Technologies) by electroporation.

Using the same procedure, a normal human pancreas cDNA expression library was prepared from a pool of six tissue specimens (Clontech). The cDNA libraries were characterized by determining the number of independent colonies, the percentage of clones that carried insert, the average insert size and by sequence analysis. The prostate tumor library contained 1.64 x 10<sup>7</sup> independent colonies, with 70% of clones having an insert and the average insert size being 1745 base pairs. The normal pancreas cDNA library contained 3.3 x 10<sup>6</sup> independent colonies, with 69% of clones having inserts and the average insert size

being 1120 base pairs. For both libraries, sequence analysis showed that the majority of clones had a full length cDNA sequence and were synthesized from mRNA, with minimal rRNA and mitochondrial DNA contamination.

cDNA library subtraction was performed using the above prostate tumor and normal pancreas cDNA libraries, as described by Hara et al. (*Blood*, 84:189-199, 1994) with some modifications. Specifically, a prostate tumor-specific subtracted cDNA library was generated as follows. Normal pancreas cDNA library (70 μg) was digested with EcoRI, NotI, and SfuI, followed by a filling-in reaction with DNA polymerase Klenow fragment. After phenol-chloroform extraction and ethanol precipitation, the DNA was dissolved in 100 μl of H<sub>2</sub>O, heat-denatured and mixed with 100 μl (100 μg) of Photoprobe biotin (Vector Laboratories, Burlingame, CA). As recommended by the manufacturer, the resulting mixture was irradiated with a 270 W sunlamp on ice for 20 minutes. Additional Photoprobe biotin (50 μl) was added and the biotinylation reaction was repeated. After extraction with butanol five times, the DNA was ethanol-precipitated and dissolved in 23 μl H<sub>2</sub>O to form the driver DNA.

To form the tracer DNA, 10 μg prostate tumor cDNA library was digested with BamHI and XhoI, phenol chloroform extracted and passed through Chroma spin-400 columns (Clontech). Following ethanol precipitation, the tracer DNA was dissolved in 5 μl H<sub>2</sub>O. Tracer DNA was mixed with 15 μl driver DNA and 20 μl of 2 x hybridization buffer (1.5 M NaCl/10 mM EDTA/50 mM HEPES pH 7.5/0.2% sodium dodecyl sulfate), overflaid with mineral oil, and heat-denatured completely. The sample was immediately transferred into a 68 °C water bath and incubated for 20 hours (long hybridization [LHj). The reaction mixture was then subjected to a streptavidin treatment followed by phenol/chloroform extraction. This process was repeated three more times. Subtracted DNA was precipitated, dissolved in 12 μl H<sub>2</sub>O, mixed with 8 μl driver DNA and 20 μl of 2 x hybridization buffer, and subjected to a hybridization at 68 °C for 2 hours (short hybridization [SH]). After removal of biotinylated double-stranded DNA, subtracted cDNA was ligated into BamHI/XhoI site of chloramphenicol resistant pBCSK\* (Stratagene, La Jolla, CA 92037) and transformed into ElectroMax *E. coli* DH10B cells by electroporation to generate a prostate tumor specific subtracted cDNA library(prostate subtraction 1.

To analyze the subtracted cDNA library, plasmid DNA was prepared from 100 independent ciones, randomly picked from the subtracted prostate tumor specific library and grouped based on insert size. Representative cDNA clones were further characterized by DNA sequencing with a Perkin Elmer/Applied Biosystems Division Automated Sequencer Model 373A (Foster City, CA). Six cDNA clones, hereinafter referred to as F1-13, F1-12, F1-16, H1-1, H1-9 and H1-4, were shown to be abundant in the subtracted prostate-specific cDNA library. The determined 3' and 5' cDNA sequences for F1-12 are provided in SEQ ID NO: 2 and 3, respectively, with determined 3' cDNA sequences for F1-13, F1-16, H1-1, H1-9 and H1-4 being provided in SEQ ID No: 1 and 4-7, respectively.

The cDNA sequences for the isolated clones were compared to known sequences in the gene bank using the EMBL and GenBank databases (release 96). Four of the prostate tumor cDNA clones, F1-13, F1-16, H1-1, and H1-4, were determined to encode the following previously identified proteins: prostate specific antigen (PSA), human glandular kallikrein, human tumor expression enhanced gene, and mitochondria cytochrome C oxidase subunit II. H1-9 was found to be identical to a previously identified human autonomously replicating sequence. No significant homologies to the cDNA sequence for F1-12 were found.

Subsequent studies led to the isolation of a full-length cDNA sequence for F1-12. This sequence is provided in SEQ ID NO: 107, with the corresponding predicted amino acid sequence being provided in SEQ ID NO: 108.

To clone less abundant prostate tumor specific genes, cDNA library subtraction was performed by subtracting the prostate tumor cDNA library described above with the normal pancreas cDNA library and with the three most abundant genes in the previously subtracted prostate tumor specific cDNA library: human glandular kallikrein, prostate specific antigen (PSA), and mitochondria cytochrome C oxidase subunit II. Specifically, I µg each of human glandular kallikrein, PSA and mitochondria cytochrome C oxidase subunit II cDNAs in pCDNA3.1 were added to the driver DNA and subtraction was performed as described above to provide a second subtracted cDNA library hereinafter referred to as the "subtracted prostate tumor specific cDNA library with spike".

Twenty-two cDNA clones were isolated from the subtracted prostate tumor specific cDNA library with spike. The determined 3' and 5' cDNA sequences for the clones referred to as J1-17, L1-12, N1-1862, J1-13, J1-19, J1-25, J1-24, K1-58, K1-63, L1-4 and L1-14 are provided in SEQ ID Nos: 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-21, 22-23, 24-25, 26-27 and 28-29, respectively. The determined 3' cDNA sequences for the clones referred to as J1-12, J1-16, J1-21, K1-48, K1-55, L1-2, L1-6, N1-1858, N1-1860, N1-1861, N1-1864 are provided in SEQ ID Nos: 30-40, respectively... Comparison of these sequences with those in the gene bank as described above, revealed no significant homologies to three of the five most abundant DNA species, (J1-17, L1-12 and N1-1862; SEQ ID Nos: 8-9,:10-11 and 12-13, respectively). Of the remaining two most abundant species, one (J1-12; SEQ ID NO:30) was found to be identical to the previously identified human pulmonary surfactant-associated protein, and the other (K1-48; SEQ ID NO:33) was determined to have some homology to R. norvegicus mRNA for 2-arylpropionyl-CoA epimerase. Of the 17 less abundant cDNA clones isolated from the subtracted prostate tumor specific cDNA library with spike, four (J1-16, K1-55, L1-6 and N1-1864; SEQ ID Nos:31, 34, 36 and 40, respectively) were found to be identical to previously identified sequences, two (J1-21 and N1-1860; SEQ ID Nos: 32 and 38, respectively) were found to show some homology to non-human sequences, and two (L1-2 and N1-1861; SEQ ID Nos: 35 and 39, respectively) were found to show some homology to known human sequences. No significant homologies were found to the polypeptides J1-13, J1-19, J1-24, J1-25, K1-58, K1-63, L1-4, L1-14 (SEQ ID Nos: 14-15, 16-17, 20-21, 18-19, 22-23, 24-25, 26-27, 28-29, respectively).

Subsequent studies led to the isolation of full length cDNA sequences for J1-17, L1-12 and N1-1862 (SEQ ID NOS: 109-111, respectively). The corresponding predicted amino acid sequences are provided in SEQ ID NOS: 112-114.

In a further experiment, four additional clones were identified by subtracting a prostate tumor cDNA library with normal prostate cDNA prepared from a pool of three normal prostate poly A+ RNA (prostate subtraction 2). The determined cDNA sequences for these clones, hereinafter referred to as U1-3064, U1-3065, V1-3692 and 1A-3905, are provided in SEQ ID NO: 69-72, respectively. Comparison of the determined sequences with those in the gene bank revealed no significant homologies to U1-3065.

A second subtraction with spike (prostate subtraction spike 2) was performed by subtracting a prostate tumor specific cDNA library with spike with normal pancreas cDNA library and further spiked with PSA, J1-17, pulmonary surfactant-associated protein, mitochondrial DNA, cytochrome c oxidase subunit II, N1-1862, autonomously replicating sequence; L1-12 and tumor expression enhanced gene. Four additional clones, hereinafter referred to as V1-3686, R1-2330, 1B-3976 and V1-3679, were isolated. The determined cDNA sequences for these clones are provided in SEQ ID NO:73-76, respectively. Comparison of these sequences with those in the gene bank revealed no significant homelogies to V1-3686 and R1-2330.

Further analysis of the three prostate subtractions described above (prostate subtraction 2, subtracted prostate tumor specific cDNA library with spike, and prostate subtraction spike 2) resulted in the identification of sixteen additional clones, referred to as 1G-4736, 1G-4738, 1G-4741, 1G-4744, 1G-4734, 1H-4774, 1H-4781, 1H-4785, 1H-4787, 1H-4796, 1I-4810, 1I-4811, 1J-4876, 1K-4884 and 1K-4896. The determined cDNA sequences for these clones are provided in SEQ ID NOS: 77-92, respectively. Comparison of these sequences with those in the gene bank as described above, revealed no significant homologies to 1G-4741, 1G-4734, 1I-4807, 1J-4876 and 1K-4896 (SEQ ID NOS: 79, 81, 87, 90 and 92, respectively). Further analysis of the isolated clones led to the determination of extended cDNA sequences for 1G-4736, 1G-4738, 1G-4741, 1G-4744, 1H-4774, 1H-4781, 1H-4785, 1H-4787, 1H-4796, 1I-4807, 1J-4876, 1K-4884 and 1K-4896, provided in SEQ ID NOS: 179-188 and 191-193, respectively, and to the determination of additional partial cDNA sequences for 1I-4810 and 1I-4811, provided in SEQ ID NOS: 189 and 190, respectively.

An additional subtraction was performed by subtracting a normal prostate cDNA library with normal pancreas cDNA (prostate subtraction 3). This led to the identification of six additional clones referred to as 1G-4761, 1G-4762, 1H-4766, 1H-4770, 1H-4771 and 1H-4772 (SEQ ID NOS: 93-98). Comparison of these sequences with those in the gene bank revealed no significant homologies to 1G-4761 and 1H-4771 (SEQ ID NOS: 93 and 97, respectively). Further analysis of the isolated clones led to the determination of extended cDNA sequences for 1G-4761, 1G-4762, 1H-4766 and 1H-4772 provided in SEQ

ID NOS: 194-196 and 199, respectively, and to the determination of additional partial cDNA sequences for 1H-4770 and 1H-4771, provided in SEQ/ID/NOS: 197 and 198, respectively.

Subtraction of a prostate tumor cDNA library, prepared from a pool of polyA-RNA from three prostate cancer patients, with a normal pancreas cDNA library (prostate subtraction 4) led to the identification of eight clones, referred to as 1D-4297, 1D-4309, 1D.1-4278, 1D-4283, 1D-4283, 1D-4304, 1D-4296 and 1D-4280 (SEQ ID NOS: 99-107). These sequences were compared to those in the gene bank as described above. No significant homologies were found to 1D-4283 and 1D-4304 (SEQ ID NOS: 103 and 104, respectively). Further analysis of the isolated clones led to the determination of extended cDNA sequences for 1D-4309, 1D.1-4278, 1D-4288, 1D-4283, 1D-4304, 1D-4296 and 1D-4280, provided in SEQ ID NOS: 200-206, respectively.

cDNA clones isolated in prostate subtraction 1 and prostate subtraction 2, described above, were colony PCR amplified and their mRNA expression levels in prostate tumor, normal prostate and in various other normal tissues were determined using microarray h technology (Synteni, Palo Alto, CA). Briefly, the PCR amplification products were dotted onto slides in an array format, with each product occupying a unique location in the array. mRNA was extracted from the tissue sample to be tested, reverse transcribed, and fluorescent-labeled cDNA probes were generated. The microarrays were probed with the labeled cDNA probes, the slides scanned and fluorescence intensity was measured. This intensity correlates with the hybridization intensity. Two novel clones (referred to as P509S and P510S) were found to be over-expressed in prostate tumor and normal prostate and expressed at low levels in all other normal tissues tested (liver, pancreas, skin, bone marrow, brain, breast, adrenal gland, bladder, testes, salivary gland, large intestine, kidney, ovary, lung, spinal cord, skeletal muscle and colon). The determined cDNA sequences for P509S and P510S are provided in SEQ ID NO: 223 and 224, respectively. Comparison of these sequences with those in the gene bank as described above, revealed some homology to previously identified ESTs.

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### EXAMPLE 2

## DETERMINATION OF TISSUE SPECIFICITY OF PROSTATE TUMOR POLYPEPTIDES

Using gene specific primers, mRNA expression levels for the representative prostate tumor polypeptides F1-16, H1-1, J1-17, L1-12, F1-12 and N1-1862 were examined in a variety of normal and tumor tissues using RT-PCR.

Briefly, total RNA was extracted from a variety of normal and tumor tissues using Trizol reagent as described above. First strand synthesis was carried out using 1-2 μg of total RNA with SuperScript II reverse transcriptase (BRL Life Technologies) at 42 °C for one hour. The cDNA was then amplified by PCR with gene-specific primers. To ensure the semi-quantitative nature of the RT-PCR, β-actin was used as an internal control for each of the tissues examined. First, serial dilutions of the first strand cDNAs were prepared and RT-PCR assays were performed using β-actin specific primers. A dilution was then chosen that enabled the linear range amplification of the β-actin template and which was sensitive enough to reflect the differences in the initial copy numbers. Using these conditions, the β-actin levels were determined for each reverse transcription reaction from each tissue. DNA contamination was minimized by DNase treatment and by assuring a negative PCR result when using first strand cDNA that was prepared without adding reverse transcriptase.

mRNA Expression levels were examined in four different types of tumor tissue (prostate tumor from 2 patients, breast tumor from 3 patients, colon tumor, lung tumor), and sixteen different normal tissues, including prostate, colon, kidney, liver, lung, ovary, pancreas, skeletal muscle, skin, stomach, testes, bone marrow and brain. F1-16 was found to be expressed at high levels in prostate tumor tissue, colon tumor and normal prostate, and at lower levels in normal liver, skin and testes, with expression being undetectable in the other tissues examined. H1-1 was found to be expressed at high levels in prostate tumor, lung tumor, breast tumor, normal prostate, normal colon and normal brain, at much lower levels in normal lung, pancreas, skeletal muscle, skin, small intestine, bone marrow, and was not detected in the other tissues tested. J1-17 and L1-12 appear to be specifically over-expressed in prostate, with both genes being expressed at high levels in prostate tumor and normal prostate but at low to undetectable levels in all the other tissues

examined. N1-1862 was found to be over-expressed in 60% of prostate tumors and detectable in normal colon and kidney. The RT-PCR results thus indicate that F1-16, H1-1, J1-17, N1-1862 and L1-12 are either prostate specific or are expressed at significantly elevated levels in prostate.

Further RT-PCR studies showed that F1-12 is over-expressed in 60% of prostate tumors, detectable in normal kidney but not detectable in all other tissues tested. Similarly, R1-2330 was shown to be over-expressed in 40% of prostate tumors, detectable in normal kidney and liver, but not detectable in all other tissues tested. U1-3064 was found to be over-expressed in 60% of prostate tumors, and also expressed in breast and colon tumors, but was not detectable in normal tissues.

RT-PCR characterization of R1-2330, U1-3064 and 1D-4279 showed that these three antigens are over-expressed in prostate and/or prostate tumors.

Northern analysis with four prostate tumors, two normal prostate samples, two BPH prostates, and normal colon, kidney, liver, lung, pancrease, skeletal muscle, brain, stomach, testes, small intestine and bone marrow, showed that L1-12 is over-expressed in prostate tumors and normal prostate, while being undetectable in other normal tissues tested. J1-17 was detected in two prostate tumors and not in the other tissues tested. N1-1862 was found to be over-expressed in three prostate tumors and to be expressed in normal prostate, colon and kidney, but not in other tissues tested. F1-12 was found to be highly expressed in two prostate tumors and to be undetectable in all other tissues tested.

The micro-array technology described above was used to determine the expression levels of representative antigens described herein in prostate tumor, breast tumor and the following normal tissues: prostate, liver, pancreas, skin, bone marrow, brain, breast, adrenal gland, bladder, testes, salivary gland, large intestine, kidney, ovary, lung, spinal cord, skeletal muscle and colon. L1-12 was found to be over-expressed in normal prostate and prostate tumor, with some expression being detected in normal skeletal muscle. Both J1-12 and F1-12 were found to be over-expressed in prostate tumor, with expression being lower or undetectable in all other tissues tested. N1-1862 was found to be expressed at high levels in prostate tumor and normal prostate, and at low levels in normal large intestine and normal colon, with expression being undetectable in all other tissues tested. R1-2330 was found to

be over-expressed in prostate tumor and normal prostate, and to be expressed at lower levels in all other tissues tested. 1D-4279 was found to be over-expressed in prostate tumor and normal prostate, expressed at lower levels in normal spinal cord, and to be undetectable in all other tissues tested.

### Link the second of the second of the second Example 3 and the form the other second of the second second second

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# ISOLATION AND CHARACTERIZATION OF PROSTATE TUMOR POLYPEPTIDES BY PCR-BASED SUBTRACTON

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A cDNA subtraction library, containing cDNA from normal prostate subtracted with ten other normal tissue cDNAs (brain, heart, kidney, liver, lung, ovary, placenta; skeletal muscle, spleen and thymus) and then submitted to a first round of PCR amplification, was purchased from Clontech. This library was subjected to a second round of PCR amplification, following the manufacturer's protocol. The resulting cDNA fragments were subcloned into the vector pT7 Blue T-vector (Novagen, Madison, WI) and transformed into XL-1 Blue MRF' E. coli (Stratagene). DNA was isolated from independent clones and sequenced using a Perkin Elmer/Applied Biosystems Division Automated Sequencer Model 373A.

Fifty-nine positive clones were sequenced. Comparison of the DNA sequences of these clones with those in the gene bank, as described above, revealed no significant homologies to 25 of these clones, hereinafter referred to as P5, P8, P9, P18, P20, P30, P34, P36, P38, P39, P42, P49, P50, P53, P55, P60, P64, P65, P73, P75, P76, P79, and P84. The determined cDNA sequences for these clones are provided in SEQ ID NO:41-45, 47-52 and 54-65, respectively. P29, P47, P68, P80 and P82 (SEQ ID NO:46, 53 and 66-68, respectively) were found to show some degree of homology to previously identified DNA sequences. To the best of the inventors' knowledge, none of these sequences have been previously shown to be present in prostate.

Further studies using the PCR-based methodology described above resulted in the isolation of more than 180 additional clones, of which 23 clones were found to show no significant

homologies to known sequences. The determined cDNA sequences for these clones are provided in SEQ ID NO: 115-123, 127, 131, 137, 145, 147-151, 153, 156-158 and 160. Twenty-three clones (SEQ ID NO: 124-126, 128-130, 132-136, 138-144, 146, 152, 154, 155 and 159) were found to show some homology to previously identified ESTs. An additional ten clones (SEQ ID NO: 161-170) were found to have some degree of homology to known genes. An additional clone, referred to as P703, was found to have five splice variants. The determined DNA sequence for the variants referred to as DE1, DE13 and DE14 are provided in SEQ ID NOS: 171, 175 and 177; respectively, with the corresponding predicted amino acid sequences being provided in SEQ ID NO: 172, 176 and 178, respectively. The DNA sequences for the splice variants referred to as DE2 and DE6 are provided in SEQ ID NOS: 173 and 174, respectively.

mRNA Expression levels for representative clones in tumor tissues (prostate (n=5), breast (n=2), colon and lung) normal tissues (prostate (n=5), colon, kidney, liver, lung (n=2), ovary (n=2), skeletal muscle, skin, stomach, small intestine and brain), and activated and non-activated PBMC was determined by RT-PCT as described above. Expression was examined in one sample of each tissue type unless otherwise indicated.

P9 was found to be highly expressed in normal prostate and prostate tumor compared to all normal tissues tested except for normal colon which showed comparable expression. P20 was found to be highly expressed in normal prostate and prostate tumor, compared to all twelve normal tissues tested. A modest increase in expression of P20 in breast tumor (n=2), colon tumor and lung tumor was seen compared to all normal tissues except lung (1 of 2). Increased expression of P18 was found in normal prostate, prostate tumor and breast tumor compared to other normal tissues except lung and stomach. A modest increase in expression of P5 was observed in normal prostate compared to most other normal tissues. However, some elevated expression was seen in normal lung and PBMC. Elevated expression of P5 was also observed in prostate tumors (2 of 5), breast tumor and one lung tumor sample. For P30, similar expression levels were seen in normal prostate and prostate tumor, compared to six of twelve other normal tissues tested. Increased expression was seen in breast tumors, one lung tumor sample and one colon tumor sample, and also in normal PBMC. P29 was found to be over-expressed in prostate tumor (5 of 5) and normal prostate (5

of 5) compared to the majority of normal tissues. However, substantial expression of P29 was observed in normal colon and normal lung (2 of 2). P80 was found to be over-expressed in prostate tumor (5 of 5) and normal prostate (5 of 5) compared to all other normal tissues tested, with increased expression also being seen in colon tumor.

Further studies using the above methodology resulted in the isolation of twelve additional clones, hereinafter referred to as 10-d8, 10-h10, 11-c8, 7-g6, 8-b5, 8-b6, 8-d4, 8-d9, 8-g3, 8-h11, g-f12 and g-f3. The determined DNA sequences for 10-d8, 10-h10, 11-c8, 8-d4, 8-d9, 8-h11, g-f12 and g-f3 are provided in SEQ ID NO: 207, 208, 209, 216, 217, 220, 221 and 222, respectively. The determined forward and reverse DNA sequences for 7-g6, 8-b5, 8-b6 and 8-g3 are provided in SEQ ID NO: 210 and 211; 212 and 213; 214 and 215; and 218 and 219, respectively. Comparison of these sequences with those in the gene bank revealed no significant homologies to the sequences of 7-g6 and g-f3. The clones 10-d8, 11-c8 and 8-h11 were found to show some homology to previously isolated ESTs, while 10-h10, 8-b5, 8-b6, 8-d4, 8-d9, 8-g3 and g-f12 were found to show some homology to previously identified genes.

### **EXAMPLE 4**

### SYNTHESIS OF POLYPEPTIDES

Polypeptides may be synthesized on an Applied Biosystems 430A peptide (O-Benzotriazole-N,N,N',N'chemistry with **HPTU FMOC** using synthesizer A Gly-Cys-Gly sequence may be tetramethyluronium hexafluorophosphate) activation. attached to the amino terminus of the peptide to provide a method of conjugation, binding to an immobilized surface, or labeling of the peptide. Cleavage of the peptides from the solid support may be carried out using the following cleavage mixture: trifluoroacetic acid:ethanedithiol:thioanisole:water:phenol (40:1:2:2:3). After cleaving for 2 hours, the peptides may be precipitated in cold methyl-t-butyl-ether. The peptide pellets may then be dissolved in water containing 0.1% trifluoroacetic acid (TFA) and lyophilized prior to purification by C18 reverse phase HPLC. A gradient of 0%-60% acetonitrile (containing 0.1% TFA) in water (containing 0.1% TFA) may be used to elute the peptides. Following lyephilization of the pure fractions, the peptides may be characterized using-electrospray or other types of mass spectrometry and by amino acid analysis.

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From the foregoing, it will be appreciated that, although specific embodiments of the invention have been described herein for the purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention.

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## SEQUENCE LISTING

- (i) APPLICANTS: Xu; Jiangchun
  Dillon, Davin C.
  - (ii) TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR THEIR USE
    - (iii) NUMBER OF SEQUENCES: 224
    - (iv) CORRESPONDENCE ADDRESS:
      - (A) ADDRESSEE: SEED and BERRY LLP
        - (B) STREET: 6300 Columbia Center, 701 Fifth Avenue
        - (C) CITY: Seattle
        - (D) STATE: WA
        - (E) COUNTRY: USA
        - (F) ZIP: 98104
    - (v) COMPUTER READABLE FORM:
      - (A) MEDIUM TYPE: Floppy disk
      - (B) COMPUTER: IBM PC compatible
      - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
      - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 struktura da konstruktur i konstruktura alka da kalendorak mendeben bilan kon
    - (vi) CURRENT APPLICATION DATA: The state of the state of
      - (A) APPLICATION NUMBER:
      - (B) FILING DATE: 23#FEB-1998
  - (C) CLASSIFICATION:

    (viii) ATTORNEY/AGENT INFORMATION:

    (A) NAME: Maki, David J.

    - (B) REGISTRATION NUMBER: 31,392
    - (C) REFERENCE/DOCKET NUMBER: 210121.428C3
    - (ix) TELECOMMUNICATION INFORMATION:
      (A) TELEPHONE: (206) 622-4900

      - (B) TELEFAX: (206) 682-6031
    - (2) INFORMATION FOR SEQ ID NO:1:
      - (i) SEQUENCE CHARACTERISTICS:
        - (A) LENGTH: 814 base pairs
        - (B) TYPE: nucleic acid
        - (C) STRANDEDNESS: single
        - (D) TOPOLOGY: linear
      - (ii) MOLECULE TYPE: cDNA
      - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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ATCAAATCTG	AGGGTTGTCT	GGAGGACTTC	AATACACCTC	CCCCCATAGT	GAATCAGCTT	` 120
CCAGGGGGTC	CAGTCCCTCT	CCTTACTTCA	TCCCCATCCC	ATGCCAAAGG	AAGACCCTCC	180
CTCCTTGGCT	CACAGCCTTC	TCTAGGCTTC	CCAGTGCCTC	CAGGACAGAG	TGGGTTATGT	240
					CTGCTCAGTG	300
					TCCACTAGTT	360
		GTGGAGCTCC				420
		GTCATAACTG				480
		CGGAAGCATA				540
		GTTGCGCTCA				600
		CGGCCAACGC				660
		NANTCCTGCG				720
ACTCCTCAAA	GGNGGTATTA	CGGTTATCCN	NAAATENGGG	GATACCCNGG	TTTAAAAAA	780
AACAAAAGGG	CANCAAAGGG	CNGAAACGTA			•	814
				1.5.1A   2.14 (1), (4)	けいさいか かっこう	

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- (2) INFORMATION FOR SEQ ID NO:2: 15.44 SALECTE UPPLETHOUSE.
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 816 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA
  - (xi) SEQUENCE DESCRIPTION: SEO ID NO:220 18 FOR THE

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CTAAAGTCTG ATGAACTTCC CAATCAGATG AGCATGGATG ATTGGCCAGA AATGAAGAAG	180
AAGTTTGCAG ATGTATTTGC AAAGAAGACG AAGGCAGAGT GGTGTCAAAT CTTTGACGGC	240
ACAGATGCCT GTGTGACTCC GGTTCTGACT TTTGAGGAGG TTGTTCATCA TGATCACAAC	300
AAGGAACGGG GCTCGTTTAT CACCAGTGAG GAGCAGGACG TGAGCCCCCG CCCTGCACCT	360
CTGCTGTTAA ACACCCCAGC CATCCCTTCT TTCAAAAGGG ATCCACTAGT TCTAGAAGCC	420
GCCGCCACCG CGGTGGAGCT CCAGCTTTTG TTCCCTTTAG TGAGGGTTAA TTGCGCGCTT	480
GGCGTAATCA TGGTCATAGC TGTTTCCTGT GTGAAATTGT TATCCGCTCA CAATTCCCCC	540
AACATACGAG CCGGAACATA AAGTGTTAAG CCTGGGGTGC CTAATGANTG AGCTAACTCN	600
CATTAATTGC GTTGCGCTCA CTGCCCGCTT TCCAGTCGGG AAAACTGTCG TGCCACTGCN	660
TTANTGAATC NGCCACCCCC CGGGAAAAGG CGGTTGCNTT TTGGGCCTCT TCCGCTTTCC	720
TCGCTCATTG ATCCTNGCNC CCGGTCTTCG GCTGCGGNGA ACGGTTCACT CCTCAAAGGC	780
GGTNTNCCGG TTATCCCCAA ACNGGGGATA CCCNGA	816

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- (2) INFORMATION FOR SEQ ID NO:3:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 773 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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TCCTGCTCCT CACTGGTGAT AAACGAGCCC CGTTCCTTGT TGTGATCATG ATGAACAACC

TCCTCAAAAG	TCAGAACCGG	AGTCACACAG	GCATCTGTGC	CGTCAAAGAT	TTGACACCAC	`
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GTCGTATAGA	AAGGTGCTCC	ACCATCCAAC	ATGTTCTGTC	CTCGAGGGG	GGCCCGGTAC	420
CCAATTCGCC	CTATANTGAG	TCGTATTACG	CGCGCTCACT	GGCCGTCGTT	TTACAACGTC	480
GTGACTGGGA	AAACCCTGGG	CGTTACCAAC	TTAATCGCCT	TGCAGCACAT	CCCCCTTTCG	540
CCAGCTGGGC	GTAATANCGA	AAAGGCCCGC	ACCGATCGCC	CTTCCAACAG	TIGCGCACCT	600
GAATGGGNAA	ATGGGACCCC	CCTGTTACCG	CGCATTNAAC	CCCCGCNGGG	TTTNGTTGTT	660
ACCCCCACNT	NNACCGCTTA	CACTTTGCCA	GCGCCTTANC	GCCCGCTCCC	TTTCNCCTTT	720
CTTCCCTTCC	TTTCNCNCCN	CTTTCCCCCG	GGGTTTCCCC	CNTCAAACCC	CNA	773
			: F . ' '		·	
(2) INFORM	ATTON FOR SI	O TD NO:4:				•

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 828 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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TCGGAACACT	GGCTGTCTCT	GAAGACTTCT	CGCTCAGTTT	CAGTGAGGAC	ACACACAAAG	180
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ACAATGCATG	AGGCACACAC	ACAGCAAGGA	TGACNCTGTA	AACATAGCCC	ACGCTGTCCT	360
GNGGGCACTG	GGAAGCCTAN	ATNAGGCCGT	GAGCANAAAG	AAGGGGAGGA	TCCACTAGTT	420
CTANAGCGGC	CGCCACCGCG	GTGGANCTCC	ANCTTTTGTT	CCCTTTAGTG	AGGGTTAATT	480
GCGCGCTTGG	CNTAATCATG	GTCATANCTN	TTTCCTGTGT	GAAATTGTTA	TCCGCTCACA	540
ATTCCACACA	ACATACGANC	CGGAAACATA	AANTGTAAAC	CTGGGGTGCC	TAATGANTGA	600
CTAACTCACA	TTAATTGCGT	TGCGCTCACT	GCCCGCTTTC	CAATCNGGAA	ACCTGTCTTG	660
CCNCTTGCAT	TNATGAATCN	GCCAACCCCC	GGGGAAAAGC	GTTTGCGTTT	TGGGCGCTCT	720
TCCGCTTCCT	CNCTCANTTA	NTCCCTNCNC	TCGGTCATTC	CGGCTGCNGC	AAACCGGTTC	780
ACCNCCTCCA	AAGGGGGTAT	TCCGGTTTCC	CCNAATCCGG	GGANANCC	, .	.828

#### (2) INFORMATION FOR SEQ ID NO:5:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 834 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

# (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

		• • •	to the property of the contract of the contrac		
TTTTTTTTT TTTTTACTGA	TAGATGGAAT	TTATTAAGCT	TTTCACATGT	GATAGCACAT	60
AGTTTTAATT GCATCCAAAG	TACTAACAAA	AACTCTAGCA	ATCAAGAATG	GCAGCATGTT	120
ATTTTATAAC AATCAACACC	TGTGGCTTTT	AAAATTTGGT	TTTCATAAGA	TAATTTATAC	180
TGAAGTAAAT CTAGCCATGC	TTTTAAAAAA	TGCTTTAGGT	CACTCCAAGC	TTGGCAGTTA	240

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ACATTTCCCA TAAACAATAA TAAAACAATC ACAATTTCAA	
ACATTTGGCA TAAACAATAA TAAAACAATC ACAATTTAAT AAATAACAAA TACAACATTG	00
TAGGCCATAA TCATATACAG TATAAGGAAA AGGTGGTAGT GTTGAGTAAG CAGTTATTAG	60
AATAGAATAC CTTGGCCTCT ATGCAAATAT GTCTAGACAC TTTGATTCAC TCAGCCCTGA 4	20
CATICAGITT TCAAAGTAGG AGACAGGTTC TACAGTATCA TTTTACAGTT TCGAAGAGAT	80
TGAAAACAAG TAGAAAATGA TGAGTTGATT TTTATTATTATTATTACATCC TCAACACCOTTA	40
TCACCAACCC CTCAGTTATA AAAAATTTTC AAGTTATATT AGTCATATAA CTTCATTATAA	
HUNATNACAG TGTTCCANIAC TTNCA ACCIDA CIDACA A COMO	
TOTAL A A A ANTINA A A ANTINA A CHICAGA CATT ACAGTGTGCT TGATTCAAAA 78	30
TGTTATTTTG TTAAAAATTA AATTTTAACC TGGTGGAAAA ATAATTTGAA ATNA 83	14
(2) INFORMATION FOR SEQ ID NO.6:	•
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 818 base pairs	
(B) TIPE: nucleic acid	
(C) STRANDEDNESS: SINGLE	
(D) TOPOLOGY: 1Imear	
$\mathcal{S}_{ij}^{ij}(\mathcal{S}_{ij}) = \mathcal{S}_{ij}^{ij}(\mathcal{S}_{ij}) + $	
(ii) MOLECULE TYPE: cDNA	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
(MI) BEGORNEE DESCRIPTION: SEQ ID NO:6:	
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TTTTTTTTT TTTTTTTTT AAGACCCTCA TCAATAGATG GAGACATACA GAAATAGTCA 60	0
AACCACATCT ACAAAATGCC AGTATCAGGC GGCGGCTTCG AAGCCAAAGT GATGTTTGGA 120	٥
TGTAAAGIGA AATATTAGTT GGCGGATGAA GCAGATAGTG AGGAAAGTTG AGCCAATAAT	0
GACGTGAAGT CCGTGGAAGC CTGTGGCTAC AAAAATGTT GAGCCGTAGA TGCCGTCGA	
AATGGTGAAG GGAGACTCGA AGTACTCTGA GGCTTGTAGG AGGGTAAAAT AGAGACCCAG 300	
	-
Lillian College Colleg	-
AGGGGCTACC CTCCACTCCT AND AGGGGCCCAG TGCCCTCCTA GTTGGGGGGT 480	)
AGGGGCTAGG CTGGAGTGGT AAAAGGCTCA GAAAAATCCT GCGAAGAAAA AAACTTCTGA 540	)
GGTAATAAAT AGGATTATCC CGTATCGAAG GCCTTTTTGG ACAGGTGGTG TGTGGTGGCC 600	)
TTGGTATGTG CTTTCTCGTG TTACATCGCG CCATCATTGG TATATGGTTA GTGTGTTGGG 660	)
TTANTANGGC CTANTATGAA GAACTTTTGG ANTGGAATTA AATCAATNGC TTGGCCGGAA 720	<b>)</b>
GTCATTANGA NGGCTNAAAA GGCCCTGTTA NGGGTCTGGG CTNGGTTTTA CCCNACCCAT 780	
GGAATNONCO COCCGGACNA NITCHARDOCCO ADDICTIONA	
818	j
(2) INFORMATION FOR SEQ ID NO:7:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 817 base pairs	
(B) TIPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) IUPULUGI: Ilhear	
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(ii) MOLECULE TYPE: cDNA	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
արդերիսիսիսիսիսի արդերությունի աշագարի ա	•
TTTTTTTTT TTTTTTTTT TGGCTCTAGA GGGGGTAGAG GGGGTGCTAT AGGGTAAATA 60	
CGGGCCCTAT TTCAAAGATT TTTAGGGGAA TTAATTCTAG GACGATGGGT ATGAAACTGT 120	
GGTTTGCTCC ACAGATTTCA GAGCATTGAC CGTAGTATAC CCCCGGTCGT GTAGCCGTCA	
AAGTGGTTTG GTTTAGACGT CCGGGAATTG CATCTGTTTT TAAGCCTAAT GTGCCGAGA	
CTCATGAGTG CAAGACGTCT TCTCATGTTAA TTTAATTATTATTATTATTATTATTATTATTATTA	
300 CHAGACGICI IGIGAIGIAA IIATIATACN AATGGGGGCT TCAATCGGGA	

	•	•	
GTACTACTCG: ATTGTCAACG: TCAAGGAGTC: GCAGGTCGCC	TGGTTCTAGG	AATAATGGGG	7. 360
GAAGTATGTA GGAATTGAAG ATTAATCCGC CGTAGTCGGT	GTTCTCCTAG	GTTCAATACC	420
ATTGGTGGCC AATTGATTG ATGGTAAGGG GAGGGATCGT	TGAACTCGTC	TGTTATGTAA	480
AGGATNCCTT NGGGATGGGA AGGCNATNAA GGACTANGGA	TNAATGGCGG	GCANGATATT :	540
TCAAACNGTC TCTANTTCCT GAAACGTCTG AAATGTTAAT	ΔΑΝΑΔΤΤΑΑΝ	TTTNGTTATT	600
GAATNTTNNG GAAAAGGGCT TACAGGACTA GAAACCAAAT			660
GAATNITING GAAAAGGGCI TACAGGACTA GAAACCAAAI CNTTATCNTN AAAGGTNATA ACCNCTCCTA TNATCCCACC			720
ACNATTGGAT NCCCCANTTC CANAAANGGC CNCCCCCCGG			780
	IGNAMICCAC	CITITOTICE	817
CTTNANTGAN GGTTATTCNC CCCTNGCNTT ATCANCC		1	
	• • • • •		
(2) INFORMATION FOR SEQ ID NO:8:	general grant of		٠.
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 799 base pairs			
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: single			
(D) TOPOLOGY: linear	•		
(ii) MOLECULE TYPE: cDNA			
· · ·	Andrews .		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:			
		•	ruttu di Tanana
CATTTCCGGG TTTACTTTCT AAGGAAAGCC GAGCGGAAGC			60
CATAAGGAGA: ACTITCTGCT: GGCACGCGCT: AGGGACAAGC			120
CTGAAGCGCA, CGTCCCAGAA; GGTGGACTTG: GCACTGAAAC			180
TACGAACAGC GCCTGAAAGT GCTGGAGCGG GAGGTCCAGC	AGTGTAGCCG	CGTCCTGGGG	240
TGGGTGGCCG ANGCCTGANC CGCTCTGCCT TGCTGCCCCC			
ACCTGCCTGG GTCCAAACAC TGAGCCCTGC TGGCGGACTT			360
GGATTTTGCT CCTANANTAA GGCTCATCTG GGCCTCGGCC			420
TCTTTGANGT GAGCCCCATG TCCATCTGGG CCACTGTCNG			480
CTCCTTACAA CCACANNATG CCCGGCTCCT CCCGGAAACC			540
CAAGNCCTGN ATCCACTNNT NCTANAACCG GCCNCCNCCG	CNGTGGAACC	CNCCTTNTGT	600
TCCTTTCNT TNAGGGTTAA TNNCGCCTTG GCCTTNCCAN			660
GTTNAAATTG TTANGCNCCC NCCNNTCCCN CNNCNNCNAN			720
NCCTGGGGGT NCCNNCNGAT TGACCCNNCC NCCCTNTANT	TGCNTTNGGG	NNCNNTGCCC	780
CTTTCCCTCT NGGGANNCG	•		799
			Eleter Str
(2) INFORMATION FOR SEQ ID NO:9:			*
	10 mm 1 mm	4 2 7	
(i) SEQUENCE CHARACTERISTICS:	•	• .	
(A) LENGTH: 801 base pairs	*.		
(B) TYPE: nucleic acid	Sec. 10. 10. 10.		
(C) STRANDEDNESS: single	,		
(D) TOPOLOGY: linear			
(b) 101020011 2211012		No. Walk and Inc.	
(ii) MOLECULE TYPE: cDNA			
(11) MOLECOLE TIPE: CDNA			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:		••	
	3.5		
ACGCCTTGAT CCTCCCAGGC TGGGACTGGT TCTGGGAGGA			60
TAANGATGAC ACTCCCAAAG GTGGTCCTGA CAGTGGCCCA			180
CAAGGACAAG GCCACCAGGT GCGGGGGCCG AAGCCCACAT	GATCCTTACT	TOO A COOKING	
AATCCCCTGT GGGGGCTTCT CCTTGAAGTC CGCCANCAGG	GUTCAGTCTT	TGGACCCANG	240
CAGGTCATGG GGTTGTNGNC CAACTGGGGG CCNCAACGCA	AAANGGCNCA	GGCCTCNGN	300

CACCCATCCC ANGACGCGGC TACACTNCTG GACCTCCCNC TCCACCACTT TCATGCGCTG

TTONTACCCC CONTAINING	
TTCNTACCCG CGNATNTGTC CCANCTGTTT CNGTGCCNAC TCCANCTTCT NGGACGTGCG	420
CTACATACGC CCGGANTENC NCTCCCGCTT TGTCCCTATC CACGTNCCAN CAACAAATTT	480
CNCCNTANTG CACCNATTCC CACNTTTNNC AGNTTTCCNC NNCGNGCTTC CTTNTAAAAG	540
GGTTGANCCC CGGAAAATNC CCCAAAGGGG GGGGGCCNGG TACCCAACTN CCCCCCTNATA	500
GCTGAANTCC CCATNACCNN GNCTCNATGG ANCCNTCCNT TTTAANNACN TTCTNAACTT	800
CCCA ANALICO CECCALOGUENI COCCOCIONA ANCENTICENT (TITAANACA TECTNAACTE	660
GGGAANANCC CTCGNCCNTN CCCCCNTTAA TCCCNCGTTG CNANGNNCNT CCCCCNNTCC	720
NCCCNNNTNG GCNTNTNANN CNAAAAAGGC CCNNNANCAA TCTCCTNNCN CCTCANTTCG	780
CCANCCCTCG, AAATCGGCCN C DOWNLOAD AND A STATE OF A STAT	301
ing the control of th	
(2) INFORMATION FOR SEQ ID NO:10:	
To No.10.	•
(i) CROVINGE GWADA CERRATOR	. 1
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 789 base pairs ADAMI A ARRAM TOTAL	
(B) TYPE: nucleic acid was a property of the compact of the compac	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLEGIUE MYDE - Pres	
(ii) MOLECULE TYPE: cDNA	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
Both and the first the fir	
CAGTCTATNT GGCCAGTGTG GCAGCTTTCC CTGTGGCTGC CGGTGCCACA TGCCTGTCCC	
ACAGTGTGGC CGTGGTGACA GCTTCAGCCG CCCTCACCGG GTTCACCTTC TCAGCCCTGC	60
AGATCCTGCC CTACACCACCACCACCACCACCACCACCACCACCACCACC	120
AGATCCTGCC CTACACACTG GCCTCCCTCT ACCACCGGGA GAAGCAGGTG TTCCTGCCCA	180
AATACCGAGG GGACACTGGA GGTGCTAGCA GTGAGGACAG CCTGATGACC AGCTTCCTGC	240
CAGGCCCTAA GCCTGGAGCT CCCTTCCCTA ATGGACACGT GGGTGCTGGA GGCAGTGGCC	300
TGCTCCCACC TCCACCCGCG CTCTGCGGGG CCTCTGCCTG TGATGTCTCC GTACGTGTGG	- 360 €
TGGTGGGTGA GCCCACCGAN GCCAGGGTGG TTCCGGGCCG GGGCATCTGC CTGGACCTCG	151 3 (42 n
CCATCCTGGA TAGTGCTTCC TGCTGTCCCA NGTGGCCCCA TCCCTGTTTA TGGGCTCCAT	***
TGTCCAGCTC AGCCAGTCTG TCACTGCCTA TATGGTGTCT GCCGCAGGCC TGGGTCTGGT	7.400
CCCATTTACT TTGCTACACA GGTANTATTT GACAAGAACG ANTTGGCCAA ATACTCAGCG	540
TTANANAME COLORA SEE SCHOOL SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	600
TTAAAAAATT CCAGCAACAT TGGGGGTGGA AGGCCTGCCT CACTGGGTCC AACTCCCCGC	660
TCCTGTTAAC CCCATGGGGC TGCCGGCTTG GCCGCCAATT TCTGTTGCTG CCAAANTNAT	720
GTGGCTCTCT GCTGCCACCT GTTGCTGGCT GAAGTGCNTA CNGCNCANCT NGGGGGGTNG	780
GGNGTTCCC ACCURATION OF THE RESERVE	
e de la companya de l	
(2) INFORMATION FOR SEQ ID NO:11:	<i>.</i> .
(1) 000	
(i) SEQUENCE CHARACTERISTICS:	
(A) DENGIH: //2 Dase pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	•
and the second of the second o	
(ii) MOLECULE TYPE: cDNA	
the control of the co	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
CCCACCCTAC CCAAATATTA GACACCAAGA GAGAAAAGGT AGGAAAAGGT	
CCCACCCTAC CCAAATATTA GACACCAACA CAGAAAAGCT AGCAATGGAT TCCCTTCTAC	60
ITTGTTAAAT AAATAAGTTA AATATTTAAA TGCCTGTGTC TCTGTGATGG CAACAGAAGG	120
ACCAACAGGC CACATCCTGA TAAAAGGTAA GAGGGGGGTG GATCAGCAAA AAGACAGTGC	180
TGTGGGCTGA GGGGACCTGG TTCTTGTGTG TTGCCCCTCA GGACTCTTCC CCTACAAATA	240
ACTITCATAT GITCAAATCC CATGGAGGAG TGTTTCATCC TAGAAACTCC CATGCAAGAG	300
CTACATTAAA CGAAGCTGCA GGTTAAGGGG CTTANAGATG GGAAACCAGG TGACTGAGTT	300
PATTOLCCTC CCAAAAACCC TECTOTIANGOU CHANAGAIG GGAAACCAGG TGACTGAGTT	360
PATTCAGCTC CCAAAAACCC TTCTCTAGGT GTGTCTCAAC TAGGAGGCTA GCTGTTAACC	420 .

CTGAGCCTGG GTAATCCACC TGCAGAGTCC CCGCATTCCA			480
CTCCCTGTAT AAGTCCAGAC TGAAACCCCC TTGGAAGGNC			
AACTGGGGAA AAAAGAAAAG GACGCCCCAN CCCCCAGCTG			600
GCACAGGGTG GCAGCAAAAA AACCACTTTA CTTTGGCACA			660
ACCCCGGCAC CCCNANGGGG GTTAACAGGA ANCNGGGNAA			
GGCCCNCCAC CCCNAATNTT GCTGGGAAAT TTTTCCTCCC		TC	772
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 751 base pairs		•	
(B) TYPE: nucleic acid		1211	
(C) STRANDEDNESS: single			
(D) TOPOLOGY: linear	Commence of the second		
(ii) MOLECULE TYPE: cDNA	*,		
(11) MOLECULE 11PE: CDNA	ongani ti et i		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12			
(XI) Signification and American Conference of the Conference of th			1:
GCCCCAATTC CAGCTGCCAC ACCACCCACG GTGACTGCAT		GTCATACAAA	60
AGCTGATTGA AGCAACCCTC TACTTTTTGG TCGTGAGCCT			120
TTGGCTGTGT TGGTGACGTT GTCATTGCAA CAGAATGGGG			180
AAGTANGGTG AGTCCTCAAA ATCCGTATAG TTGGTGAAGC			240
ATGGTGGTGT TCCACACTTG AGTGAAGTCT TCCTGGGAAC	CATAATCTTT	CTTGATGGCA	300
GGCACTACCA GCAACGTCAG GGAAGTGCTC AGCCATTGTG	GTGTACACCA	AGGCGACCAC	360
AGCAGCTGCN ACCTCAGCAA TGAAGATGAN GAGGANGATG			
ACACTTGCTC TCAGTCTTAN CACCATANCA GCCCNTGAAA			480
CNCCGGCTGC GATGAAGAAA TNACCCCNCG TTGACAAACT			540
AGTGGCCCNA AAAATCTTCA AAAAGGATGC CCCATCNATT			
CCAACAGGGG CTGCCCCACN CNCNNAACGA TGANCCNATT			660
TNATNAACNT GAACCCTGCN TNGTGGCTCC TGTTCAGGNC		CTTCTNAANN	720 751
AANGAACTCN GAAGNCCCCA CNGGANANNC G	* :	• • • • • • • • • •	751
(2) INFORMATION FOR SEQ ID NO:13:			
(2) INFORMATION FOR SEQ 1D NO:13:			
		•	
(A) LENGTH: 729 base pairs			
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: single			
(D) TOPOLOGY: linear			
		* - * * * * * * * * * * * * * * * * * *	
(ii) MOLECULE TYPE: cDNA at the form	10 St. 1 4		• •
•		·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13			
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GAGCCAGGCG TCCCTCTGCC TGCCCACTCA GTGGCAACAC	CCGGGAGCTG	TTTTGTCCTT	′ 60
TGTGGANCCT CAGCAGTNCC CTCTTTCAGA ACTCANTGCC	AAGANCCCTG	AACAGGAGCC	- 120
ACCATGCAGT GCTTCAGCTT CATTAAGACC ATGATGATCC	TCTTCAATTT	GCTCATCTTT	180
CTGTGTGGTG. CAGCCCTGTT. GGCAG'IGGGC ATCTGGGTGT	CAATCGATGG	GGCATCCTTT	240
CTGAAGATCT TCGGGCCACT GTCGTCCAGT GCCATGCAGT	TTGTCAACGT	GGGCTACTTC	300
CTCATCGCAG CCGGCGTTGT GGTCTTAGCT CTAGGTTTCC	TGGGCTGCTA	TGGTGCTAAG	360
ACTGAGAGCA AGTGTGCCCT CGTGACGTTC TTCTTCATCC			
GAGGTTGCAA TGCTGTGGTC GCCTTGGTGT ACACCACAAT			
- ጥርርጥርርጥእአጥ ርርርጥፒርርለጥር አልእነልአልልርነለጥ ጥልጥርርርርጥርርር	· ('A(###ANAM')'	τι Διτι('ΔΔι3Τ	540

GTTGGAACAC CACCATGAAA GGGCTCAAGT GCTGTGGCTT CNNCCAACTA TACGGATTTT

SAAGANTCAC CTACTTCAAA GAAAANAGTG CCTTTCCCCC ATTTCTGTTG CAATTGACAA	660
ACGTCCCCAA CACAGCCAAT TGAAAACCTG CACCCAACCC ALANGGGTCC CCAACCANAA	720
ATTNAAGGG COLON JOHN STORE BETTER	729
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(2) INFORMATION FOR SEQ ID NO:14:	٠.
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 816 base pairs	•
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	•
(D) TOPOLOGY: linear	
	*
(ii) MOLECULE TYPE: cDNA	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
to the second of	
TGCTCTTCCT CAAAGTTGTT CTTGTTGCCA TAACAACCAC CATACCTAAA GCGGGGGGG	60
TOTICGCIGA AGGGGTTGTA GTACCAGCGC GGGATGCTCT CCTTCCAGAC TCCTTCTTCTCAGAC	
OGCAGGICCA CGCAGIGCCC TIIGICACTG GGGAAATGGA TGCGCTCGAG CTCCTCCAA	
CCACTCGIGT ATTITICACA GGCAGCCTCG TCCGACGCTCTCCCCCCACTTC CCCGCACTTCCCCCCCACTTCCCCCCCCCC	
TCACACTCCA GGAAGCTGTC NATGCAGCAG; CCATTGCTGC ACCCCAACTC COMOCOCOTOS	300
CANGIGCCAG AGCACACIGG AIGGCGCCTT TCCATGNNAN CCCCCCCCCCCC	
TOANCUCAN ANCIGUTUT CAAANGCCCC ACCTTGCACA CCCCCACACC CTD CAATGCC	
MICHAEL COMMAGGIAG TINITCHGY TGCCCAANCC ANCCCCMINA ACABACCOM	
COMMICIGO DOCUMENTACO ANCETECADA A CA A CONCOLA COLONOCIA E	
CAMELIGIT IGGAINCGAA GUNATAATCT NOTNTTCTGC TTCCTCCACA CCACCANTA	
TOTAL TIAGNOON IG GICCIONIGG GTTGNNCTTG: AACCTRATICAL CONTINUES A	والمستشامين
COCACAAGGI AANINGCONT CCTTTNAATT CCCNANCNTN CCCCCTGGTT TCCCCCCTTTT	720
CHENCICCIA CCCCAGAAN NCCGTGTTCC CCCCCAACTA GGGGCCNAAA COMMITTATITA	700
GENERAL COURT COCCACCIAC GEGITTCHISTING COLORS (SEE )	816
(4)(1)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)	. Jan 1
(2) INFORMATION FOR SEQ ID NO:15:	
(:) 07077774	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 783 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(64) MOX POTE TO THE TOTAL THE STATE OF THE	
(ii) MOLECULE TYPE: cDNA	
(vi) CECULENCE DECENTRATION	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15: 18 10 10 10 10 10 10 10 10 10 10 10 10 10	
CCAACCCCTC CCCA CCCATTA AND CTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	
CCAAGGCCTG GGCAGGCATA NACTTGAAGG TACAACCCCA GGAACCCCTG GTGCTGAAGG	60
ATGTGGAAA CACAGATTGG CGCCTACTGC GGGGTGACAC GGATGTCAGG GTAGAGAGGA	120
AAGACCCAAA CCAGGTGGAA CTGTGGGGAC TCAAGGAANG CACCTACCTG TTCCAGCTGA	180
CACAGACIAG CICAGACCAC CCAGAGGACA CGGCCAACGT CACAGTCACT CTCCTTCTCCA	240
CCAAGCAGAC AGAAGACTAC TGCCTCGCAT CCAACAANGT GGGTCGCTGC CGGGGCTCTT	300
TECCACGE IG GTACTATGAC CCCACGGAGC AGATCTGCAA GAGTTTCGTT TATGCACGGT	360 ·
GETTGGGCAA CAAGAACAAC TACCTTCGGG AAGAAGAGTG CATTCTANCC TCTCNCCCTG	420
IGCAAGGIGG GCCITIGANA NGCANCICIG GGGCTCANGC GACTITICCCC CAGGGCCCCT	180
CCATGGAAAG GCGCCATCCA NTGTTCTCTG GCACCTGTCA GCCCACCACCAC TTCCCCTCCA	540
MCAATGGCIG CIGCATCNAC ANTITCCING AATTGTGACA ACACCCCCCA NITCCCCCCA	500
CCCICCAAC AAAGCITCCC TGTTNAAAAA TACNCCANTT GCCTTTTNAC AAAGNGCGGG	560
TOUCH THE THE COUNTY AND	720

TCTNCCNNGG AAAAANTNCC CCCCCTGGTT CCTNNAANCC	CCTCCNCNAA	ANCTNCCCCC	780
ccc		AB (A)	783
(2) INFORMATION FOR SEQ ID NO:16:			
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 801 base pairs			
(B) TYPE: nucleic acid			• .
(C) STRANDEDNESS: single		•	
(D) TOPOLOGY: linear			
(D) TOPOLOGI: IIHear	· ·	•	
(ii) MOLECULE TYPE: cDNA			·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16	: -		
GCCCCAATTC CAGCTGCCAC ACCACCCACG GTGACTGCAT	TAGTTCGGAT	GTCATACAAA	60
AGCTGATTGA AGCAACCCTC TACTTTTTGG TCGTGAGCCT			
TTGGCTGTGT TGGTGACGTT GTCATTGCAA CAGAATGGGG			
AAGTAGGGTG AGTCCTCAAA ATCCGTATAG TTGGTGAAGC			240
ATGGTGGTGT TCCACACTTG AGTGAAGTCT TCCTGGGAAC	רמיממירידיד	CTTGATGGCA	300
GGCACTACCA GCAACGTCAG GAAGTGCTCA GCCATTGTGG	TGTACACCAA	GGCGACCACA	
GGCACTACCA GCAACGTCAG GAAGTGCTCA GCCATTGTGG GCAGCTGCAA CCTCAGCAAT GAAGATGAGG AGGAGGATGA			
CACTTGCTCT CCGTCTTAGC ACCATAGCAG CCCANGAAAC	CAACACCAAA	GACCACAACG	480
CCNGCTGCGA ATGAAAGAAA NTACCCACGT TGACAAACTG	CATGGCCACT	GGACGACAGT	
TGGCCGAAN ATCTTCAGAA AAGGGATGCC CCATCGATTG	AACACCCANA	TGCCCACTGC	600
CNACAGGGCT GCNCCNCNCN GAAAGAATGA GCCATTGAAG	AAGGATCNTC	NTGGTCTTAA	660
TGAACTGAAA CCNTGCATGG TGGCCCCTGT TCAGGGCTCT	TGGCAGTGAA	TTCTGANAAA	
AAGGAACNGC NTNAGCCCCC CCAAANGANA AAACACCCCC	GGGTGTTGCC	CTGAATTGGC	780
GGCCAAGGAN CCCTGCCCCN G			801
OGCCAAGGAN CCCIOCCCAN G			
(2) INFORMATION FOR SEQ ID NO:17:			
	*		
(i) SEQUENCE CHARACTERISTICS:		. <i>L</i>	
(A) LENGTH: 740 base pairs			
(B) TYPE: nucleic acid	**************************************		
(C) STRANDEDNESS: single			•
(D) TOPOLOGY: linear	* 1		
(ii) MOLECULE TYPE: cDNA	F		. :
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17	•		
The second of the second of the second of	and the		
GTGAGAGCCA GGCGTCCCTC TGCCTGCCCA CTCAGTGGCA	ACACCCGGGA	GCTGTTTTGT	
CCTTTGTGGA GCCTCAGCAG TTCCCTCTTT CAGAACTCAC	TGCCAAGAGC	CCTGAACAGG	120
AGCCACCATG CAGTGCTTCA GCTTCATTAA GACCATGATG			
CTTTCTGTGT GGTGCAGCCC TGTTGGCAGT GGGCATCTGG	GTGTCAATCG	ATGGGGCATC	240
CTTTCTGAAG ATCTTCGGGC CACTGTCGTC CAGTGCCATG	CAGTTTGTCA	ACGTGGGCTA	300
CTTCCTCATC GCAGCCGGCG TTGTGGTCTT TGCTCTTGGT			
TAAGACGGAG AGCAAGTGTG CCCTCGTGAC GTTCTTCTTC	ATCCTCCTCC	TCATCTTCAT	420
TGCTGAAGTT GCAGCTGCTG TGGTCGCCTT GGTGTACACC			480
GACGTTGCTG GTANTGCCTG CCATCAANAA AGATTATGGG			
AANTNTGGAA, CACCNCCATG AAAAGGGCTC CAATTTCTGN			600
GAATITTGAA AGANTCNCCC TACTTCCAAA AAAAANANI			660
TGCAATGAAA ACNTCCCAAN ACNGCCAATN AAAACCTGCC			720
	s et la di	• :	740

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#### (2) INFORMATION FOR SEQ ID NO:18: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 802 base pairs ern de Arbert en bestellter (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18: CCGCTGGTTG CGCTGGTCCA GNGNAGCCAC GAAGCACGTC AGCATACACA GCCTCAATCA CAAGGTCTTC CAGCTGCCGC ACATTACGCA GGGCAAGAGC CTCCAGCAAC ACTGCATATG GGATACACTT TACTTTAGCA GCCAGGGTGA CAACTGAGAG GTGTCGAAGC TTATTCTTCT 180 GAGCCTCTGT TAGTGGAGGA AGATTCCGGG CTTCAGCTAA GTAGTCAGCG TATGTCCCAT 240 AAGCAAACAC TGTGAGCAGG CGGAAGGTAG AGGCAAAGTC ACTCTCAGCC AGCTCTCTAA 100300 CATTGGGCAT GTCCAGCAGT TCTCCAAACA CGTAGACACC AGNGGCCTCC AGCACCTGAT 360 GGATGAGTGT GGCCAGCGCT GCCCCCTTGG CCGACTTGGC TAGGAGCAGATAATTGCTCCT 420 GGTTCTGCCC TGTCACCTTC ACTTCCGCAC TCATCACTGC ACTGAGTGTG GGGGACTTGG 480 GCTCAGGATG TCCAGAGACG TGGTTCCGCC CCCTCNCTTA ATGACACCGN CCANNCAACC 540 GTCGGCTCCC GCCGANTGNG TTCGTCGTNC CTGGGTCAGG GTCTGCTGGC CNCTACTTGC 600 AANCTTCGTC NGGCCCATGG AATTCACCNC ACCGGAACTN GTANGATCCA CTNNTTCTAT 660 AACCGGNCGC, CACCGCNNNE, GGAACTCCAC TCTTNTTNCC TTTACTTGAG GGTTAAGGTC 720 ACCCTTNNCG TTACCTTGGT CCAAACCNTN CCNTGTGTCG ANATNGTNAA TCNGGNCCNA 780 THECANCENE ATANGAAGEE NG THE HE TAY HE ELECTION HE ELECTION OF THE PROPERTY STATES OF THE 802 ER CONTRACTOR DE COME DE LA PORTE DE COLORDA DE PORTE PLANTA, PER POLICION DE LA LABORADA Contracting the London seeds (2) INFORMATION FOR SEQ ID NO:19: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 731 base pairs (B) TYPE: nucleic acid Call of the House of the Arms A TO THE PROPERTY OF THE STATE (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19: CNAAGCTTCC AGGTNACGGG CCGCNAANCC TGACCCNAGG TANCANAANG CAGNCNGCGG 60 GAGCCCACCG TCACGNGGNG GNGTCTTTAT NGGAGGGGGC GGAGCCACAT CNCTGGACNT 120 CNTGACCCCA ACTCCCCNCC NCNCANTGCA GTGATGAGTG CAGAACTGAA GGTNACGTGG 180 CAGGAACCAA GANCAAANNC TGCTCCNNTC CAAGTCGGCN NAGGGGGCGG GGCTGGCCAC GCNCATCCNT CNAGTGCTGN AAAGCCCCNN CCTGTCTACT TGTTTGGAGA ACNGCNNNGA 300 CATGCCCAGN GTTANATAAC NGGCNGAGAG TNANTTTGCC TCTCCCTTCC GGCTGCGCAN 360 CGNGTNTGCT TAGNGGACAT AACCTGACTA CTTAACTGAA CCCNNGAATC TNGCNCCCCT

CCACTAAGCT CAGAACAAAA AACTTCGACA CCACTCANTT GTCACCTGNC TGCTCAAGTA AAGTGTACCC CATNCCCAAT GTNTGCTNGA NGCTCTGNCC TGCNTTANGT TCGGTCCTGG 540 GAAGACCTAT CAATTNAAGC TATGTTTCTG ACTGCCTCTT GCTCCCTGNA ACAANCNACC 600 CNNCNNTCCA AGGGGGGGNC GGCCCCCAAT CCCCCCAACC NTNAATTNAN TTTANCCCCN CCCCCNGGCC CGGCCTTTTA CNANCNTCNN NNACNGGGNA AAACCNNNGC TTTNCCCAAC 720

(2) INFORMATION FOR SEQ ID NO:20:

NNAATCCNCC T

·	
(i) SEQUENCE CHARACTERISTICS:	1
(A) LENGTH: 754 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
The state of the s	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:	
TTTTTTTTT TTTTTTTT TAAAAACCCC CTCCATTNAA TGNAAACTTC CGAAATTGTC	- 60
CAACCCCTC NTCCAAATNN CCNTTTCCGG GNGGGGGTTC CAAACCCAAN TTANNTTTGG	120
ANNTTAAATT AAATNTTNNT TGGNGGNNNA ANCCNAATGT NANGAAAGTT NAACCCANTA	180
TNANCTINAA INCCIGGAAA CCNGINGNIT CCAAAAAINI ITAACCCITA ANTCCCICCG	240
AAATNGTTNA NGGAAAACCC AANTTCTCNT AAGGTTGTTT GAAGGNTNAA TNAAAANCCC	300
NNCCAATTGT TTTTIIGCCAC GCCTGAATTA ATTGGNTTCC GNTGTTTTCC NTTAAAANAA	360
GGNNANCCCC GGTTANTNAA TCCCCCCNNC CCCAATTATA CCGANTTTTT TTNGAATTGG	420
GANCCCNCGG GAATTAACGG GGNNNNTCCC TNTTGGGGGG CNGGNNCCCC CCCCNTCGGG	480
GGTTNGGGNC AGGNCNNAAT TGTTTAAGGG TCCGAAAAAT CCCTCCNAGA AAAAAANCTC	540
CCAGGNTGAG NNTNGGGTTT NCCCCCCCC CANGGCCCCT CTCGNANAGT TGGGGTTTGG	600
GGGGCCTGGG ATTTTNTTTC CCCTNTTNCC TCCCCCCCC CCNGGGANAG AGGTTNGNGT	660
TTTGNTCNNC GGCCCCNCCN AAGANCTTTN CCGANTTNAN TTAAATCCNT GCCTNGGCGA	720
AGTCCNTTGN AGGGNTAAAN GGCCCCCTNN CGGG	754
1960年,1960年,1960年,1960年,1960年,1960年中1960年的1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1	
(2) INFORMATION FOR SEQ ID NO:21:	
<ul> <li>nataunume augum turi paramentaria.</li> </ul>	1
(i) SEQUENCE CHARACTERISTICS: 18 18 18 18 18 18 18 18 18 18 18 18 18	
(A) LENGTH: 755 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:	
网络大大大麦大克 医乳腺性小髓 化二氯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲甲基甲甲基甲基甲基甲基甲基甲基甲基甲基	. :
ATCANCCCAT GACCCCNAAC NNGGGACCNC TCANCCGGNC NNNCNACCNC CGGCCNATCA	60
NNGTNAGNNC ACTNCNNTTN NATCACNCCC CNCCNACTAC GCCCNCNANC CNACGCNCTA	120
NNCANATNCC ACTGANNGCG CGANGTNGAN NGAGAAANCT NATACCANAG NCACCANACN	180
CCAGCTGTCC NANAANGCCT NNNATACNGG NNNATCCAAT NTGNANCCTC CNAAGTATTN	<b>240</b>
NNCNNCANAT GATTTCCTN ANCCGATTAC CCNTNCCCCC TANCCCCTCC CCCCCAACNA	300
CGAAGGCNCT GGNCCNAAGG NNGCGNCNCC CCGCTAGNTC CCCNNCAAGT CNCNCNCCTA	360
AACTCANCON NATTACNOGO TTCNTGAGTA TCACTCCCCG AATCTCACCC TACTCAACTC	420
AAAAANATCN GATACAAAAT AATNCAAGCC TGNTTATNAC ACTNTGACTG GGTCTCTATT	480

TTAGNGGTCC NTNAANCNTC CTAATACTTC CAGTCTNCCT TCNCCAATTT CCNAANGGCT 540 CTTTCNGACA GCATNTTTTG GTTCCCNNTT GGGTTCTTAN NGAATTGCCC TTCNTNGAAC 600 GGGCTCNTCT TTTCCTTCGG TTANCCTGGN TTCNNCCGGC CAGTTATTAT TTCCCNTTTT 660

ARATTCHTHC CHTTTANTTT TGGCHTTCHA AACCCCCGGC CTTGAAAACG GCCCCCTGGT

- (2) INFORMATION FOR SEQ ID NO:22:
  - (i) SEQUENCE CHARACTERISTICS:

AAAAGGTTGT TTTGANAAAA TTTTTGTTTT GTTCC

(A) LENGTH: 849 base pairs

840

872

540

600

(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear "想,真实的感觉,我们们是不是这个人。" Barra nigat ir jami. (ii) MOLECULE TYPE: CDNA 大夫大战之 化氯苯二酚 184411 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22: TTTTTTTTT TTTTTANGTG TNGTCGTGCA GGTAGAGGCT TACTACAANT GTGAANACGT 60 ACGCTNGGAN TAANGCGACC CGANTTCTAG GANNCNCCCT AAAATCANAC TGTGAAGATN 120 ATCCTGNNNA CGGAANGGTC ACCGGNNGAT NNTGCTAGGG TGNCCNCTCC CANNNCNTTN CATAACTCNG NGGCCCTGCC CACCACCTTC GGCGGCCCNG NGNCCGGGCC CGCGTCATTN GNNTTAACCN CACTNIGCNA NCGGTTTCCN NCCCCNNCNG ACCCNGGCGA TCCGGGGTNC 300 TCTGTCTTCC CCTGNAGNCN ANAANTGGG CCNCGGNCCC CTTTACCCCT NNACAAGCCA 360 CNGCCNTCTA NCCNCNGCCC CCCCTCCANT NNGGGGGGACT GCCNANNGCT CCGTTNCTNG 420 NNACCCCNNN GGGTNCCTCG GTTGTCGANT CNACCGNANG CCANGGATTC CNAAGGAAGG 480 TGCGTTNTTG GCCCCTACCC, TTCGCTNCGG NNCACCCTTC CCGACNANGA NCCGCTCCCG CNCNNCGNNG CCTCNCCTCG CAACACCCGC NCTCNTCNGT NCGGNNNCCC CCCCACCCGC NCCCTCNCNC NGNCGNANCN CTCCNCCNCC GTCTCANNCA CCACCCCGCC CCGCCAGGCC NTCANCCACN GGNNGACNNG NAGCNCNNTC GCNCCGCGCN GCGNCNCCCT CGCCNCNGAA 720 CTNCNTCNGG CCANTNNCGC TCAANCCNNA CNAAACGCCG CTGCGCGGCC CGNAGCGNCC 780 NCCTCCNCGA GTCCTCCCGN CTTCCNACCC ANGNITTCCN CGAGGACACN NNACCCCGCC NNCANGCGG Description of the factor and a finite country period on the fig. Fig. 15 to 100 hours of the first to (2) INFORMATION FOR SEQ ID NO:23: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 872 base pairs . EDG MATERIAL LATER . MET METER . (B) TYPE: nucleic acid and her read of the (D) TOPOLOGY: linear GROPE STUDIES SON (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23: 1.5 1.7 10 Port 1 Port 2 GCGCAAACTA TACTTCGCTC GNACTCGTGC GCCTCGCTNC TCTTTTCCTC CGCAACCATG TCTGACNANC CCGATTNGGC NGATATCNAN AAGNTCGANC AGTCCAAACT GANTAACACA 120 CACACNCNAN AGANAAATCC NCTGCCTTCC ANAGTANACN ATTGAACNNG AGAACCANGC 180 NGGCGAATCG TAATNAGGCG TGCGCCGCCA ATNTGTCNCC GTTTATTNTN CCAGCNTCNC 240 CINCCNACCC TACNITCTICN NAGCIGICNN ACCCCTNGTN CGNACCCCCC NAGGICGGGA TCGGGTTTNN NNTGACCGNG CNNCCCCTCC CCCCNTCCAT NACGANCONC CCGCACCACC 360 NANNGCNCGC NCCCCGNNCT CTTCGCCNCC CTGTCCTNTN CCCCTGTNGC CTGGCNCNGN 420 ACCGCATTGA CCCTCGCCNN CTNCNNGAAA NCGNANACGT CCGGGTTGNN ANNANCGCTG

(2) INFORMATION FOR SEQ ID NO:24:

TNACCNNTAC GANTNTTCGN CNCCCTCTTT CC

(i) SEQUENCE CHARACTERISTICS:

TGGGNNNGCG TCTGCNCCGC GTTCCTTCCN NCNNCTTCCA CCATCTTCNT TACNGGGTCT

CCNCGCCNTC TCNNNCACNC CCTGGGACGC TNTCCTNTGC CCCCCTTNAC TCCCCCCCTT

CGNCGTGNCC CGNCCCCACC NTCATTTNCA NACGNTCTTC ACAANNNCCT GGNTNNCTCC CNANCNGNCN GTCANCCNAG GGAAGGGNGG GGNNCCNNTG NTTGACGTTG NGGNGANGTC CGAANANTCC TCNCCNTCAN CNCTACCCCT CGGGCGNNCT CTCNGTTNCC AACTTANCAA NTCTCCCCC NGNGCNCNTC TCAGCCTCNC CCNCCCCNCT CTCTGCANTG TNCTCTGCTC

- (A) LENGTH: 815 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

### (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

		* v					
	GCATGCAAGC	TTGAGTATTC	TATAGNGTCA	CCTAAATANC	TTGGCNTAAT	CATGGTCNTA	60
					TCTNATNTGA		120
					CANATTCCCA		180
					NCACCNNCA'		240
	GCNCCCTGAC	TGCNAGAGAT	GGATNANTTC	TNNTNTGACC	NACATGITCA	TCTTGGATTN	300
	AANANCCCCC'	CGCNGNCCAC	CGGTTNGNNG	CNACCONTC	CCAAGACCTC	CTGTGGAGGT	360
					ANGTNNAAGT		420
•					TTNGTGCCTT'		480
;					CAATTNGGCA		540
					CNCNCANGAA		600
					GTNCCAGTCC		660
	CCCCACCGGT	NNCCNTGGGG	GGGTGAANCT	CNGNNTCANC	CNGNCGAGGN	N1'CGNAAGGA	720
	ACCGGNCCTN	GGNCGAANNG	ANCNNTCNGA	AGNGCCNCNT	CGTATAACCC	CCCCTCNCCA	780
	NCCNACNGNT	AGNTCCCCCC	CNGGGTNCGG	AANGG `	1		815

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#### (2) INFORMATION FOR SEQ ID NO:25:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 775 base pairs Africa and appropriate to the
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA a Drawf Arthur College College College
- (x1) SEQUENCE DESCRIPTION: SEQ ID NO:25:

					· ·	A CONTRACTOR OF THE CONTRACTOR	A CONTRACTOR OF THE CONTRACTOR
CCGA	SATGTC	TCGCTCCGTG	GCCTTAGCTG	TGCTCGCGCT	ACTCTCTCT	TCTGGCCTGG	60
AGGC'	TATCCA	GCGTACTCCA	AAGATTCAGG	TTTACTCACG	TCATCCAGCA	GAGAATGGAA	120
AGTC	AAATTT	CCTGAATTGC	TATGTGTCTG	GGTTTCATCC	ATCCGACATT	GAANTTGACT	180
TACTO	GAAGAA	TGGANAGAGA	ATTGAAAAAG	TGGAGCATTC	AGACTTGTCT	TTCAGCAAGG	240
ACTG	STCTTT	CTATCTCNTG	TACTACACTG	AATTCACCCC	CACTGAAAAA	GATGAGTATG	300
CCTG	CCGTGT	GAACCATGTG	ACTTTGTCAC	AGCCCAAGAT	AGTTAAGTGG	GATCGAGACA	360
				GCCGCATTTG			420
CTGC	TTGCTT	<b>CCNTTTTAAT</b>	ANTGATATGC	NTATACACCC	TACCCITTAT	GNCCCCAAAT	480
TGTA	GGGTŤ	ACATNANTGT	TCNCNTNGGA	CATGATCTTC	CTTTATAANT	CCNCCNTTCG	540
AATT	CCCGT	- CNCCCNGTTN	NGAATGTTTC	CNNAACCACG	GTTGGCTCCC	CCAGGTCNCC	600
TCTT	ACGGAA	GGGCCTGGGC	CNCTTTNCAA	GGTTGGGGGA	ACCNAAAATT	TCNCTTNTGC	660
CCNC	CCNCCA	CNNTCTTGNG	NNCNCANTTT	GGAACCCTTC	CNATICCCCT	TGGCCTCNNA	720
NCCT	TNNCTA	ANAAAACTTN	AAANCGTNGC	NAAANNTTTN	ACTTCCCCCC	TTACC	7.75

#### (2) INFORMATION FOR SEQ ID NO:26:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 820 base pairs
  - (B) TYPE: nucleic acid

- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:

					•	the second secon	
	ANATTANTAC	AGTGTAATCT	TTTCCCAGAG	GTGTGTANAG	GGAACGGGGC	CTAGAGGCAT	. 60
	CCCANAGATA	NCTTATANCA	ACAGTGCTTT	GACCAAGAGC	TGCTGGGCAC	ATTTCCTGCA	120
	GAAAAGGTGG	CGGTCCCCAT	CACTCCTCCT	CTCCCATAGC.	CATCCCAGAG	GGGTGAGTAG	180
	CCATCANGCC	TTCGGTGGGA	GGGAGTCANG	GAAACAACAN	ACCACAGAGC	ANACAGACCA	240
•	NTGATGACCA	TCGGCGGGAG	CGAGCCTCTT	CCCTGNACCG	GGGTGGCANA	NGANAGCCTA	300
	NCTGAGGGGT	CACACTATAA	ACGTTAACGA	CCNAGATNAN	CACCTGCTTC	AAGTGCACCC	360
	TTCCTACCTG	ACNACCAGNG	ACCINNAACT.	GCNGCCTGGG.	GACAGCNCTG	GGANCAGCTA	420
. 3	ACNNAGCAÇT	CACCTGCCCC	CCCATGGCCG	TNCGCNTCCC	TGGTCCTGNC	AAGGGAAGCT	480
ا د د	CCCTGTTGGA	ATTNCGGGGA	NACCAAGGGA	NCCCCCTCCT:	CCANCTGTGA ·	AGGAAAAANN	540
: 1	GATGGAATTT	TNCCCTTCCG	GCCNNTCCCC	TCTTCCTTTA	CACGCCCCCT-	NNTACTCNTC	600
. '	TCCCTCTNTT	NTCCTGNCNC	ACTITINACC	CCNNNATTTC-	CCTTNATTGA:	TCGGANNCTN	
•	GANATTCÇAC .	TNNCGCCTNC	CNTCNATCNG	NAANACNAAA	NACTNTCTNA	CCCNGGGGAT	720
. (	GGGNNCÇTCG	NTCATCCTCT	CTTTTTCNCT	ACCNCCNNTT	CTTTGCCTCT	CCTTNGATCA	780
-	TCCAACCNTC	GNTGGCCNTN	CCCCCCNNN	TCCTTTNCCC	en e	to the many	820
		For the Art			Mail	14	020
			•				

## (2) INFORMATION FOR SEQ ID NO:27:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 818 base pairs

  - (C) STRANDEDNESS: single of the state of the
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:

	· · · · · · · · · · · · · · · · · · ·
TCTGGGTGAT GGCCTCTTCC	TCCTCAGGGA CCTCTGACTG CTCTGGGGCCA AAGAATCTCT 60
TGTTTCTTCT CCGAGCCCCA	GGCAGCGGTG ATTCAGCCCT GCCCAACCTG ATTCTGATGA 120
CTGCGGATGC TGTGACGGAC	CCAAGGGGCA AATAGGGTCC CAGGGTCCAG GGAGGGGCGC 180
CTGCTGAGCA CTTCCGCCCC	TCACCCTGCC CAGCCCCTGC CATGAGCTCT GGGCTGGGTC 240
TCCGCCTCCA GGGTTCTGCT	CTTCCANGCA NGCCANCAAG TGGCGCTGGG CCACACTGGC 300
TTCTTCCTGC CCCNTCCCTG	GCTCTGANTC TCTGTCTTCC TGTCCTGTGC ANGCNCCTTG 360
GATCTCAGTT TCCCTCNCTC	ANNGAACTCT GTTTCTGANN TCTTCANTTA ACTNTGANTT 420
TATNACCNAN TGGNCTGTNC	TGTCNNACTT TAATGGGCCN GACCGGCTAA TCCCTCCCTC 480
NCTCCCTTCC ANTTCNNNNA	ACCNGCTTNC CNTCNTCTCC CCNTANCCCG CCNGGGAANC 540
CTCCTTTGCC CTNACCANGG	GCCNNNACCG CCCNTNNCTN GGGGGGCNNG GTNNCTNCNC 600
CTGNTNNCCC CNCTCNCNNT	THECTEGTEC CHNCHNEGEN NUGCANNITE NEUGTECONN 660
TNNCTCTTCN NGTNTCGNAA	NGNTCNCNTN TNNNNNGNCN NGNTNNTNGN TCCCTCTCNC 720
CNNNTGNANG TNNTTNNNNC	NCNGNNCCCC, NNNNCNNNN NGGNNNTNNN TCTNCNCNGC 780
CCCNNCCCCC NGNATTAAGG	CCTCCNNTCT CCGGCCNC 818

### (2) INFORMATION FOR SEQ ID NO:28:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 731 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single

(D)	TOPOLOGY:	linear
-----	-----------	--------

#### (ii) MOLECULE TYPE: cDNA

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:	
AGGAAGGGG GAGGGATATT GTANGGGATT GAGGGATAGG AGNATAANGG GGGAGGTGTG	60
TCCCAACAIG AMOGIGMAGI ICICITITUA, AMOAGGGIIG MGIIIIIMA	120
GATTNAACCC CATTGTATGG AGNNAAAGGN TTTNAGGGAT TTTTCGGCTC TTATCAGTAT	180
NTANATTCCT GTNAATCGGA AAATNATNTT TCNNCNGGAA AATNTTGCTC CCATCCGNAA	240
ATTNCTCCCG GGTAGTGCAT NTTNGGGGGGN CNGCCANGTT TCCCAGGCTG CTANAATCGT	300
ACTAAAGNTT NAAGTGGGAN TNCAAATGAA AACCTNNCAC AGAGNATCCN TACCCGACTG	360
TNNNTTNCCT TCGCCCTNTC ACTCTGCNNG AGCCCAATAC CCNNGNGNAT GTCNCCCNGN	420
NNNGCGNCNE, TGAAANNNNC TCGNGGCTNN GANCATCANG, GGGTTTCGCA TCAAAAGCNN	480
CGTTTCNCAT NAAGGCACTT TNGCCTCATC CAACCNCTNG CCCTCNNCCA TTTNGCCGTC	540
NGGTTCNCCT ACGCTNNTNG CNCCTNNNTN GANATTTTNC CCGCCTNGGG NAANCCTCCT	600
GNAATGGGTA GEGNCTTNTC TTTTNACCNN GNGGTNTACT AATCNNCTNC ACGCNTNCTT	660
TCTCNACCCC CCCCCTTTTT CAATCCCANC GGCNAATGGG GTCTCCCCNN CGANGGGGGG	720
NNNCCCANNC C	731

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#### (2) INFORMATION FOR SEQ ID NO:29:

#### (i) SEQUENCE CHARACTERISTICS:

- EQUENCE CHARACTERISTICS:

  (A) LENGTH: 822 base pairs
- - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:

					<b>*</b>		
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		David Color		T = T + T + T + T + T + T + T + T + T +	• • •
	ACTAGTCCAG	TGTGGTGGAA	TTCCATTGTG	TTGGGGNCNC	TTCTATGANT	ANTNTTAGAT	60
•	CGCTCANACC	TCACANCCTC	CCNACNANGC	CTATAANGAA	NANNAATAGA	NCTGTNCNNT	120
	ATNTNTACNC	TCATANNCCT	CNNNACCCAC	TCCCTCTTAN	CCCNTACTGT	GCCTATNGCN	180
	TNNCTANTCT	NTGCCGCCTN	CNANCCACCN	GTGGGCCNAC	CNCNNGNATT	CTCNATCTCC	
	TCNCCATNTN	GCCTANANTA	NGTNCATACC	CTATACCTAC	NCCAATGCTA	NNNCTAANCN	300
	TCCATNANTT	ANNNTAACTA	CCACTGACNT	NGACTTTCNC	ATNANCTCCT	AATTTGAATC	360
	TACTCTGACT	CCCACNGCCT	ANNNATTAGC	ANCNTCCCCC	NACNATNTCT	CAACCAAATC	420
	NTCAACAACC	TATCTANCTG	TTCNCCAACC	NTINCCTCCG	ATCCCCNNAC	AACCCCCCTC	480
	CCAAATACCC	NCCACCTGAC	NCCTAACCCN	CACCATCCCG	GCAAGCCNAN	GGNCATTTAN	540
	CCACTGGAAT	CACNATNGGA	NAAAAAAAAAC,	CCNAACTCTC	TANCNCNNAT	CTCCCTAANA	€00
					TGAAACNNAA		660
						CCCCCNCTNC	720
						ANANNNTCCG	780
•	·.	CCCTTANTTN				•	822

#### (2) INFORMATION FOR SEQ ID NO:30:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 787 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:

CGGCCGCCTG CTCTGGCACA TGCCTCCTGA ATGGCATCAA AAGTGATGGA CTGCCCATTG	60
CTAGAGAAGA CCTTCTCTCC TACTGTCATT ATGGAGCCCT GCAGACTGAG GGCTCCCCTT	120
GTCTGCAGGA TTTGATGTCT GAAGTCGTGG AGTGTGGCTT GGAGCTCCTC ATCTACATNA	700
GCTGGAAGCC CTGGAGGGCC TCTCTCGCCA GCCTCCCCCT TCTCTCCACG CTCTCCANGG	240
ACACCAGGGG CTCCAGGCAG CCCATTATTC CCAGNANGAC ATGGTGTTTC TCCACGCGGA	
CCCATGGGGC CTGNAAGGCC AGGGTCTCCT TTGACACCAT CTCTCCCGTC CTGCCTGGCA	300
GGCCGTGGGA TCCACTANTT CTANAACGGN CGCCACCNCG GTGGCAGCTC CAGCTTTTGT	360
TCCCNTTAAT GAAGGTTAAT TGCNCGCTTG GCGTAATCAT NGGTCANAAC TNTTTCCTGT	
GTGAAATTGT TINTCCCCTC NCNATTCCNC NCNACATACN AACCCGGAAN CATAAAGTGT	480
TAAAGCCTGG GGGTNGCCTN NNGAATNAAC TNAACTCAAT TAATTGCGTT GGCTCATGGC	540
CCGCTTTCCN TTCNGGAAAA CTGTCNTCCC CTGCNTTNNT GAATCGGCCA CCCCCNGGG	600
AAAAGCGGTT TGCNTTTTNG GGGGNTCCTT CCNCTTCCCC CCTCNCTAAN CCCTNCGCCT	660
CGGTCGTTNC NGGTNGCGCG GAANCCGNAT ADDICTIONS AND CCCTNCGCCT	720
CCCCAAA	780
	787

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#### (2) INFORMATION FOR SEQ ID NO:31:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 799 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:

	_				•	
TTTTT	TIT TITTITGG	: GATGCTACTG	TTTAATTGCA	GGAGGTGGGG	GTGTGTGTAC	60
CATGTAC	CAG GGCTATTAGA	AGCAAGAAGG	AAGGAGGGAG	GGCAGAGCGC	CCTGCTGAGC	120
AACAAAG	GAC TCCTGCAGCC	TTCTCTGTCT	GTCTCTTGGC	GCAGGCACAT	GGGGAGGCCT	180
CCCGCAG	GGT GGGGGCCACC	AGTCCAGGGG	TGGGAGCACT	ACANGGGGGTG	CCACTCCCTC	240
GTGGCTG	GTN CNAATGGCCT	GNCACANATO	ידיי מיזיים אידירי	TTCACACOCTO	Cammoaco	240
GGGGACC	ጥጥሮ ጥርሞጥርጥር	MOCHERO	NEEDING	TIGACACCIG	GATTTCACCA	300
COCCACC	TTC TGTTCTCCCA	. NGGNAACTTC	NINNATCICN	AAAGAACACA	ACTGTTTCTT	360
CNGCANT	TCT GGCTGTTCAT	``GGAAAGCACA	GGTGTCCNAT	TTNGGCTGGG	. ልርምተነጋጋም ልርጭ	420
TATGGTT	CCG GCCCACCTCT	י יכיכימיזיכיאנא אוז	` እእርጥአአጥምርአ	200000000	COTTOGIACA	
CCTCCCC	COT The same of the	CCCNICINAN	WANGIWATICA	CCCCCCCCCN	CCNTCTNTTG	480
CCIGGGC	CCT TAANTACCCA	CACCGGAACT	CANTTANTTA	TTCATCTTNG	GNTGGGCTTG	540
NTNATCN	CCN CCTGAANGCG	CCAAGTTGAA	AGGCCACGCC.	CTNCCCNCTC	CCCATCACATAAT	600
NTTTTNN	CNT CANCTAATGC	CCCCCCMICCC	B B CRYW TOO CO	DIRECTION OF THE PROPERTY OF T	CCCATAGNAN	
AGGGGAN	CANCIARIO	CCCCCCMGGC	AACNATCCAA	TCCCCCCCCN	TGGGGGCCCC	: 660
AGCCCAN	GGC CCCCGNCTCG	GGNNNCCNGN	CNCGNANTCC	CCAGGNTCTC	CCANTONONO	720
CCNNNGC	NCC CCCGCACGCA	GAACANAAGG	· NTNCACCCATC	CCCAMMMM	TOO TO TOO TO	
CTCCCCC	CCC COPRIGORNO	O. I. I. I. III. III. III.	MINGAGCCNC	CGCAMMMMM	NGGTNNCNAC	780
CICOCCC	CCC CCNNCGNNG		14 . 1 . <b>2</b> . 20 4	$A(M) \cap A(A) = A$	Same of the Contract	799
		The state of the s	79.0	· 医部种型,由产业的	the company	1
4						

### (2) INFORMATION FOR SEQ ID NO:32:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 789 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:

(3LI) DEGUELO.					
	to an experience of the contraction of the				•
· TTTTTTTTT TTTT	CLLLL THEFTERT	TTTTTTTTT	TTTTTTTTT	TTTTTTTTT	60
TTTTNCCNAG GGCAG	GTTTA TTGACAACCI	CNCGGGACAC	AANCAGGCTG	GGGACAGGAC	120
GGCAACAGGC TCCGG					180
CGCTCCCGCT TGATN					240
GGTGGGCACC CTGGG	ATTTN AATTTCCACG	GGCACAATGC	GGTCGCANCC	CCTCACCACC	300
NATTAGGAAT AGTGG	INTTA CCCNCCNCCG	TTGGCNCACT	CCCCNTGGAA	ACCACTINTC	360
GCGGCTCCGG CATCTC					420
NCCNGCCACA ATCAT	NACTO AGACTGGCNO	GGGCTGGCCC	CAAAAAANCN	CCCCAAAACC	480
GGNCCATGTC TTNNC	GGGGT TGCTGCNATN	TNCATCACCT	CCCGGGCNCA	NCAGGNCAAC	540
CCAAAAGTTC TTGNG	GCCCN CAAAAAANCT	CCGGGGGGNC	CCAGTTTCAA	CAAAGTCATC	600
CCCCTTGGCC CCCAA	ATCCT CCCCCCGNTI	NCTGGGTTTG	GGAACCCACG	CCTCTNNCTT	660
TGGNNGGCAA GNTGG	NTCCC CCTTCGGGCC	CCCGGTGGGC	CCNNCTCTAA	NGAAAACNCC	720
NTCCTNNNCA CCATC	CCCCC NNGNNACGNO	TANCAANGNA	TCCCTTTTTT	TANAAACGGG	780
CCCCCCNCG				# 1 .F. 1 1 1 1	789

#### (2) INFORMATION FOR SEQ ID NO:33:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 793 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

# (ii) MOLECULE TYPE: cDNA 'FERRIE CO pro libraria in participal

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:

(XI) 5	ECORNCE DES		r in the		er er og ville i det i de	
1. 1. f		• •	**			
GACAGAACAT	GTTGGATGGT	GGAGCACCTT	TCTATACGAC	TTACAGGACA	GCAGATGGGG	. 60
AATTCATGGC	TGTTGGAGCA	ATANAACCCC	AGTTCTACCA	GCTGCTGATC	AAAGGACTTG	120
GACTAAAGTC	TGATGAACTT	CCCAATCAGA	TGAGCATGGA	TGATTGGCCA	GAAATGAANA	180
AGAAGTTTGC	AGATGTATTT	GCAAAGAAGA	CGAAGGCAGA	GTGGTGTCAA	ATCTTTGACG	240
GCACAGATGC	CTGTGTGACT	CCGGTTCTGA	CTTTTCAGGA	GGTTGTTCAT	CATGATCACA	300
ACAANGAACG	GGGCTCGTTT	ATCACCANTG	AGGAGCAGGA	CGTGAGCCCC	CGCCCTGCAC	360
CTCTGCTGTT	AAACACCCCA	GCCATCCCTT	CTTTCAAAAG	GGATCCACTA	CTTCTAGAGC	420
GGNCGCCACC	GCGGTGGAGC	TCCAGCTTTT	GTTCCCTTTA	GTGAGGGTTA	ATTGCGCGCT	480
TGGCGTAATC	ATGGTCATAN	CTGTTTCCTG	TGTGAAATTG	TTATCCGCTC	ACAATTCCAC	540
ACAACATACG	ANCCGGAAGC	ATNAAATTTT	AAAGCCTGGN	GGTNGCCTAA	TGANTGAACT	600
	AATTGGCTTT					660
					CTTNTTGGGG	720
	GCTTTCTCGC					780
ACGGTATCNA				*		793

3 pt - 175.74 L

#### (2) INFORMATION FOR SEQ ID NO:34:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 756 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:

				•	_	
		•	ρ τ ( <b>5</b> 9 ).			
GCCGCGACCG	GCATGTACGA	GCAACTCAAG	GGCGAGTGGA	ACCGTAAAAG	<b>ሮሮሮሮስ አ</b> ሞሮሞተ	. 60
ANCAAGTGCC	GGGAANAGCŢ	GGGTCGACTC	AAGCTAGTTC	TTCTGCAGCT	Cyvanacana	
CCAACCACAC	GGACCAAGCT	GACCAAACAG	CACCTAATTC	TCCCCCCCCCC;	CAACIICIIG	150
ATCCCCCCCC	A A TO CA CA CA	000000000000000000000000000000000000000	CAGCIAALIC	, redeced IGA:	CATACTGGAG	180
AICGGGGCCC	AATGGAGCAT	CCTACGCAAN	GACATCCCCT	CCTTCGAGCG	CTACATGGCC	240
CAGCTCAAAT	GCTACTACTT	TGATTACAAN	GAGCAGCTCC	CCGAGTCAGC	ריידי אידי שיכירי אירי	200
CAGCTCTTGG	GCCTCAACCT	CCTCTTCCTG	CTGTCCCAGA	ACCGGGTGGC	. TC MUNICONO	300
ACGGANTTGG	ANCGGCTGCC	TOCOCONDATOR	Cama Carra co.	**************************************	TOWNINCCAC	360
OTTO TO	ANCGGCTGCC	IGCCCHANGA	CATACANACC	AATGTCTACA	TCNACCACCA	420
GIGICCIGGA	GCAATACIGA	TGGANGGCAG	CTACCNCAAA	GTNTTCCTCC.	CCNACCCTAA	400
CHICCCCCCC	CGAGAGCTAC	ACCITCTTCA.	TTGACATCCT	GCTCGACACT.	ATCACCCATC	
AAAATCGCNG	GGTTGCTCCA	CANAGECTAIC	A ANTA ANTA MOO	,50100101C1,	ATCAGGGATG	J= 540
A MATCHICAN A CAN	VOTICET	ONTANGGE TINE	HANNANAT.C.C.	TITTCNCTGA	AGGCCCCCGG	
ATNUNCTAGT	NCTAGAATCG	GCCCGCCATC	GCGGTGGANC :	CTCCAACCTT	TCGTTNCCCT:	660
TINCIGMOGG	LINATIGCCG	CCCTTGGCGT	ፐልጥሮልጥሮርጥሮ	√A (*NTC*C*NTC*C*T*T*NT *	COMO MONTO	
AATTNTTAAC	CCCCCACAAT	TCCACCCCATA	Cammio	MOTACCIAC LIM:	CCIGIGITGA	720
-,	CCCCACAAT	TCCHCGCCNA.	CATING	July Grant		3.79. <b>756</b>
•			기가 되지만 있는요?	PROBLEMS OF FREE	er egyara 💎 🤼	1
(2) INFORM	ATION FOR SE	O ID NO.35.		•		

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A TORON OF THE BOTTON (CAR)

Secretary of the transfer of the

3 July - 7 July - (2)

#### (2) INFORMATION FOR SEQ ID NO:35:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 834 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35: #12.50 10 10 MOUNTED ROUTE (Fig.

	GGGGATCTCT	ANATCNACCT	GNATGCATGG	TTGTCGGTGT	GGTCGCTGTC	GATGAANATG	60
	AACAGGATCT	TGCCCTTGAA	GCTCTCGGCT	GCTGTNTTTA	AGTTGCTCAG	TOTAL CONTRACTO	
ː	TAGTCAGACA	CNCTCTTGGG	CAAAFAACAH	CAGGATINTGA	GTCTTGATTT	CACCOCCA	120
	AATCTTCNCG	GCTGTCTGCT	CGCTGAACTC	CATCACNANC	GGCAGCTGGT	CACCICCAAT	180
	AAANTCCANC	ANGTTOTOT	TOOTOMACTO	COCCERCIANG	GGCAGCTGGT	TGTGTNTGAT	240
-	CTTCTMMAAM	ANGAMBANGG	CANCERTOR	CCCTTCAAAG	TTGTTCCGGC	CTTCATCAAA	.300
	CCANACTCAM	ANGANNANCC	CANCLILEGIC	GAGCTGGNAT	TTGGANAACA	CGTCACTGTT	∹: ∙360
	COMMACIGAT	CCCAAATGGT	ATGTCATCCA	TCGCCTCTGC	TGCCTGCAAA	AAACTTGCTT	420
	GUCNCAAATC	CGACTCCCCN	TCCTTGAAAG	AAGCCNATCA	CACCCCCTC:	CCTGGACTCC	480
	NNCAANGACT	CTNCCGCTNC	CCCNTCCNNG	CAGGGTTGGT	GGCANNCCCC	CCCCNTTCCCC	540
	I I,CII CAGCC	AGTTCACNAT	NTTCATCAGC	CCCTCTGCCA -	CCTCTTNTAT	TOTOTOCCCC	C00.
•	GGAANCCGTC	TCTCCCTTCC	TGAANNAACT	TTGACCGTNG	GAATAGCCGC	CONTONICONT	660
٠	ACNTNCTGGG	CCGGGTTCAA	ANTCCCTCCN	TTGNCNNTCN	CCTCGGGCCA	GCM LCMCCMT	
	NCCNAACTTT	TTCCTTCCCC	CNCCCCNCGG	Martinachina	TTTCATNGGG	TICIGGATIT	720
	GCTNTTGGCC	ANTCCCCTGG	CCCCNITNITANI	WCCCCCCmm	GGTCCCNTNG	CCCCAACTCT	
			COCCIATIAT MIA	CMCCCGGCTMT	GGTCCCNTNG	GGCC	834

# (2) INFORMATION FOR SEQ ID NO:36:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 814 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:

ССИСССТТТ	.CCNGCCGCGC	CCCGTTTCCA	TGACNAAGGC	TCCCTTCANG	TTAAATACNN	:	. 60
CCGNCGCIII	ATTAATGGGT	TGCTCTACTA	ATACATCATA	CNAACCAGTA	AGCCTGCCCA	•	120
MY V GGGGY V.C.	TCAGGCCATT	CCTACCAAAG	GAAGAAAGGC	${\tt TGGTCTCTCC}$	ACCCCCTGTA	:	180
CCARCGCCAAC	CCCTTCTAAG	ACACCACAAT	NCGGCTGAAT	CTNAAGTCTT	GTGTTTTACT		240
AATTCAAAAAA	ΩΔΑΔΤΑΔΑΛ	AANAGGTTTT	GTTCTCATGG	CTGCCCACCG	CAGCCTGGCA	· ', · ·	300
CTA A A A CANC		CTTCTGCTTG	GANAAATATT	CTTTGCTCTT	TTGGACATCA	• .	360
CIAAAACANC	TATCACTGCC	ACNTTTCCAC	CCAGCTGGGC	NCCCTTCCCC	CATNTTTGTC		420
ANTCANCICA	AACCCCTGAA	NCTTAGTCTC	CAAAAGTCTC	NGCCCACAAG	ACCGGCCACC:	٠. ٠	480
ANTGANCIGG	NTTTNCAGTG	. GATCTGCCAA	ANANTACCCN	TATCATCNNT	GAATAAAAAG	L'	540
GCCCCTGAAC	CANATECTTC	CANCANCCTT	TAAGACCCAT	AATCCTNGAA	CCATGGTGCC		600
COTTCCCCTCTC	GATCCNAAAG	GAATGTTCCT	GGGTCCCANT	CCCTCCTTTG	TTNCTTACGT	'	660
CTTCCGGTCT	CONTROTTION	ATNACCCAAN	TGANATCCCC	NGAAGCACCC	TNCCCCTGGC		720
A GRANTIGGAC	CHITALATTCT	CTGCCCTACN	NCTGAAAGCA	CNATTCCCTN	GGCNCCNAAN		780
	AGAAGGTCTN						814
GGNGAACICA	Adamoorem		4			•	
(2) INFORM	ATION FOR S	RO TD NO:37	•	er e e e e e e e e e e e e e e e e e e			٠.
(2) INFORM	AIION FOR D			- J 64 80	<del>-</del>		
(i) s	FOURNCE CHA	RACTERISTIC	S: 12 (12)	e Austria			

- - (A) LENGTH: 760 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA The programme of the control of the control of the section of the control of the

# (xi) SEQUENCE DESCRIPTION: SEQUID NO:37:

#### (2) INFORMATION FOR SEQ ID NO:38:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 724 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA HOLDING BEING BOOK OF THE STATE OF THE STATE
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:

TTITTTTTT TTTTTTTT TTTTTTTTT TTTTTTAAAAA CCCCCTCCAT TGAATGAA	۱A	÷ 60
CTTCCNAAAT TGTCCAACCC CCTCNNCCAA ATNNCCATTT CCGGGGGGGG GTTCCAAAC	CC	120

•	
CAAATTAATT TTGGANTTTA AATTAAATNT TNATTNGGGG AANAANCCAA ATGTNAAGAA	100
AATTTAACCC ATTATNAACT TAAATNCCTN GAAACCCNTG GNTTCCAAAA ATTTTTAACC	790
CTTAAATCCC TCCGAAATTG NTAANGGAAA ACCAAATTCN CCTAAGGCTN TTTGAAGGTT	44U.
NGATTTAAAC CCCCTTNANT TNTTTTNACC CNNGNCTNAA NTATTTNGNT TCCGGTGTTT	300
TCCTNTTAAN CNTNGGTAAC TCCCGNTAAT GAANNNCCCT AANCCAATTA AACCGAATTT	160
TTTTTGAATT GGAAATTCCN NGGGAATTNA CCGGGGTTTT TCCCNTTTGG GGGCCATNCC	120
CCCNCTTTCG GGGTTTGGGN NTAGGTTGAA TTTTTNNANG NCCCAAAAAA NCCCCCAANA S NCCCAAAAAA NCCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCCAANA S NCCCCAANA S NCCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCAANA S NCCCCCAANA S NCCCCAANA S NCCCAANA S NCCCAAN	⊦80 -
AAAAAACTICC CAACNNITTAN TINCNATITO COORDOON COORDOON	
TTTNTGGGGG CCNGGGANTT CNTTCCCCCN TTNCCNCCCC CCCCCCNGGT AAANGGTTAT	003
NGNNTTTGGT TTTTGGCCCC CTTNANGGA COMMOGGA TO TO THE TOTAL OF THE TOTAL	60
	20
or <b>GCCG</b> of the Colombia of the Make the first of the months of the colombia	24
	•
(2) INFORMATION FOR SEQ ID NO:39:	
(i) SEQUENCE CHARACTERISTICS:	•
(1) SEQUENCE CHARACTERISTICS:	•
(A) LENGTH: 751 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(iii) NOT DOWN D. THEND	
(ii) MOLECULE TYPE: cDNA	
(vi) CROUTINGS PROGRESSION	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:	
The second of th	
TTTTTTTTT TTTTTCTTTG CTCACATTTA ATTTTTATTT TGATTTTTTT TAATGCTGCA	50
CAACACATA TTTATTTCAT TTGTTTCTTT TATTTCATTT TATTTGTTTG_CTGCTGCTGT( ELL) 12	50.
TTTATTATT TTTACTGAAA GTGAGAGGGA ACTTTTGTGG CCTTTTTTCC TTTTTCTGTA 18	30
GGCCGCCTTA AGCTTTCTAA ATTTGGAACA TCTAAGCAAG CTGAANGGAA AAGGGGGTTT	10
CGCAAAATCA CTCGGGGGAA NGGAAAGGTT GGTTGTTAA TCATGCCCTA TGGTGGGTGA	0 (
TTAACTGCTT GTACAATTAC NTTTCACTTT TAATTAATTG TGCTNAANGC TTTAATTANA	0
CTTGGGGGTT CCCTCCCCAN ACCAACCCCN CTGACAAAAA GTGCCNGCCC TCAAATNATG	10
TCCCGGCNNT CNTTGAAACA CACNGCNGAA NGTTCTCATT NTCCCCNCNC CAGGTNAAAA	0
TGAAGGGTTA: CCATNTTTAA: CNCCACCTCC: ACNTGGCNNN: GCCTGAATCC: TCNAAAANCN: 54	O .
CCCTCAANCN AATTNCTNNG CCCCGGTCNC GCNTNNGTCC CNCCCGGGCT CCGGGAANTN 60	.0
CACCCCCNGA ANNCNNTNNC NAACNAAATT CCGAAAATAT TCCCCNNTCNC TCAATTCCCC 66	0
CNNAGACTINT CCTCNNCNAN CNCAATTTTC TTTTNNTCAC GAACNCGNNC CNNAAAATGN 72	0
NUNNCUCCTC CUCTUGTCCU NAATCUCCAN C	1
(2) INDODMARITON TOP OTO TO	··
(2) INFORMATION FOR SEQ ID NO:40:	
(4) and the contract of the co	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 753 base pairs	•
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
Participants of the control of the c	
(ii) MOLECULE TYPE: CDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:	
GTGGTATTTT CTGTAAGATC AGGTGTTCCT CCCTCGTAGG TTTAGAGGAA ACACCTCAT	o
AGATGAAAAC CCCCCGAGA CAGCAGCACT GCAACTGCCA AGCAGCCGGG GTAGGACGGG	
CGCCCTATGC ACAGCTGGGC CCTTGAGACA GCAGGGCTTC GATGTCAGGC TCGATGTCAA	
TGGTCTGGAA GCGGCGGCTG TACCTGCGTA GGGGCACACC GTCAGGGCCC ACCAGGAACT	
TCTCAAAGTT CCAGGCAACN TCGTTGCGAC ACACCGGAGA CCAGGTGATN AGCTTGGGGT 300	
300	•

CGGTCATAAN CGCGGTGGCG TCGTCGCTGG ATAAAAGGTG CGCCCCCGCA CCGTTCANCT CNAACCCACC ACCANNCCGG ACTTCCTTGA TTCTNCTGAT GCCCTANCTG GTTGCCCNGN AAANCACCCN CCTCCTCNTT TCATCTGGGT GGANCCCATA TCTCNACCAN TACTCACCNT TTCCCNCCCG NCCTCTGGCC CNTCAAANAN TNCCCTATCT GNACCCNCN TTTGTCTCAN	CGCACTTCTC NGGAATTCCC ATGCCAANCA TNTTNTCCCC NCCCCCCCNT GCTTNCACNA	NAANACCATG AAATCTCTTC NCCCCAANCC GGACCNTGGT GNNACCCANC CCTGGGTCTG	ANGTTGGGCT GNTCTTGGGC CCGGGGTCCT TCCTCTCAAG CTTCTANNGN CCTTCCCCCC	660
(2) INFORMATION FOR SEQ ID NO:41				ing state of the s
(i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 341 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: sing  (D) TOPOLOGY: linear	S: airs		•	ingen in der Stagen in der Stagen in der Herminischer
(ii) MOLECULE TYPE: cDNA	 :	i Bolija Saka		
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sap	iens	er folku Hollowick (1997) Landstein (1997)	nesonia Propinsi Capa	•.
(xi) SEQUENCE DESCRIPTION: S	EQ ID NO:41	• •		
ACTATATCCA TCACAACAGA CATGCTTCAT AGTGAACCCA TCCTTGATTT ATATACATAT TTCTTTAAAC CTTGTTCATT ATGAACACTG TATAGCTTGT TTACGTAGTA AGTTTTTGAA TGTTAAACTG TGATTTTTAA AAAATATCAT TTTTACTTTT TGATTAATTG TGTTTTATAT	ATGTTCTCAG AAAATAGGAA GTCTACATTC TTGAGAATAT ÄTTÄGGGTAG	TATTTTGGGA TTTGTGÅAGA ÄATCCAGACA TCTTTCAGAG T	GCCTTTCCAC GTTAAAAAGT CTTAGTTGAG GTATTTCAT	120 180 240 300
(2) INFORMATION FOR SEQ ID NO:42		ari ing talah dari Marajan kacamatan		e de beer Din de je
(i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 101 base p  (B) TYPE: nucleic acid  (C) STRANDEDNESS: sing  (D) TOPOLOGY: linear	s: airs le			
(ii) MOLECULE TYPE: cDNA (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sap	oiens			
(xi) SEQUENCE DESCRIPTION: S	EQ ID NO:42			
ACTTACTGAA TTTAGTTCTG TGCTCTTCCTGTTTCAAACA TTCTAAATAA ATAATTTCA	TATTTAGTG	r tgtatcataa r a	A TACTTTGAT	60 101
(2) INFORMATION FOR SEQ ID NO:43	<b>3:</b>			•
(i) SEQUENCE CHARACTERISTIC (A) LENGTH: 305 base p (B) TYPE: nucleic acid (C) STRANDEDNESS: sing	pairs 1			

•	.•	(D) TOPO	LOGY: linear	**: 3°:	pt 18	1.00 to 1.00 to 1.00 to	
			TYPE: CDNA			The second second	
	(ii) 1	MOLECULE :	TYPE: CDNA			•	•• •
•			OUDCE.				300
	(vi) (	ORIGINAL S	SOURCE:	en e			
		(A) ORGAN	SOURCE: IISM: Homo sp	dono	The same		
		(H) ORGAL	rreat Hour at	rens Of the	DEATH (I TO		
• :	(		<u> </u>	2010 TO 12 M			• .
•	(XI) 8	PROORNCE I	ESCRIPTION:	SEQ ID NO:43	<b>):</b>	And the state	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ACA	rcttg	TACAGTCT	AA GATGTGTTC	T TAAATCACCA	TTCCTTCCTG	GTCCTCACCC	. 6
TCC	AGGGTG(	TCTCACAC	TG TAATTAGAG	C TATTGAGGAG	. ጥርጥጥጥእ <i>ር</i> አርርር	22200022200	
TCAC	<b>JATGCCT</b>	' TGCTAAGI	'CT AGAGTTCTA	G AGTTATGTT	יי כאבא א א כיייניייי	***********	
CCTC	IIGAGA	GGTCAGTA	AA GAGGACTTA	A ጥልጥጥጥሶልጥል፣	'	· 3 CC 3 C 3 CC 3 T	
TGGA	TACAGA	ACGAGAGT	TA TCCTGGATA	A CTCACACCT		ACCACAGGAT	24
TCGA	AA		IOCIOOAIA	A CICAGAGCIG	AGTACCTGCC	CGGGGGCCGC	
					No Inpude n		30
(2)	TNEODM	ATTOM HOD	000 TD 170		silosii Lawi.	$\mathcal{D}(G_{+}(\zeta))$	
(2)	INFORM	ATION FOR	SEQ ID NO:4	4:	•		
•					明 化二次原	1.5° "AL	1
	(1) S		HARACTERISTI			•	
		(A) LENGT	H: 852 base	pairs		11 graph 41 11	
		(B) TYPE:	nucleic aci	i			
		(C) STRAN	DEDNESS: sinc	zle			
		(D) TOPOL	OGY: linear		97 . 9 .		
				***	4.75		
	(ii) M	OLECULE T	YPE: CDNA				
			CPE: CDNA	42	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
•					The second of the second of		The state of the state of
	(, _, _,	(A) OBCAN	OURCE:	ទៀបនីឱសីសម៉ាម៉ា ១៣	Fluidel Sid Mile	MATEMATA TO A	
	•	(11) ORGAIN,	SM: Homo sar	Mension And	DOWN AND	7 TAN 13 1 27	2.07.77.73
<b>V</b> .7				しいた疾病が同じ、これがた	7 1 1 K	THE THURSDAY	and the second
	(XI) 21	FOURNCE DE	SCRIPTION: S	EQ ID NO:44	to the second		
አሮአሙ		G2 G2 G2			• •	•	-
WCHI!	MAATAT	CAGAGAAAA	G TAGTCTTTGA	AATATTTACG	TCCAGGAGTT	CTTTGTTTCT	60
GWIIN	HIIIGG	TGTGTGTT	T GGTTTGTGTC	' ሮልልልርጥልጥጥር	CCACCOOMCAC	mmmo's mmm	
CICIC	CCATCC	TCGGGCATI	C TTCCCAAATT	TATATACCAG	TCTTCCTCCA	<b>ጥሮሮአርአርተር</b> ሞ	180
CCMG	WILLIC	ICITIIGIP	G TAATATCTCA	TAGCTCGGCT	$C\Delta CCCTTTTCA$ .	TACCHCAMCA	
IGCIU	STIGIT	CITCTTTTI	'A CCCCATAGCT	GAGCCACTGC	.ሮሞሮጥርልምምምር	AAGAAGCTCA	300
MOMCC	SCCCTC	AGATCGGTC	T ICCCATTTA	TTAATCCTGG:	᠂ᢏᠬᠬᡎᠫᡊ᠇ᢇᠬᡎ᠇.	CCGTTCAACA	360
GGAT	FICGCG	GATGAATTC	C CATAAGTGAG	<b>TCCCTCTCCC</b>	Chalksancechana	mmaamaaaa	
ACTTG	GCAGG	GGGGTCTTG	C TCCTTTTCA	ТАТСАССТСА	CACACA Y VY	TIGGIGIGGC	420
TGGTG	GTTGT	CATGGAGAT	C TGAGCCCGGC	አርስ አለርጥጥጥ	COUCHACA	GGAAGGTGAC	480
TGCTA	CCATA	GTTGGTGTC	A TATAAATAGT	TCTMCTCTT	GCTGTCCAAC	AAATCTACTG	540
CTCA	ሊርጥጥጥር	ででくれるかくかか	C YCYYDCYCYD Y IYIAAAIAGI	TCINGICITI	CCAGGTGTTC	ATGATGGAAG	600
астес	ייייי	CCACMECAC	G ACAATGACAT	TGTGTGTGGA	CTGGAACAGG	TCACTACTGC	660
70600	CCCCT	CAACIICAG	A TGCTGCAAGT	TGCTGTAGAG	GAGNTGCCCC:	GCCGTCCCTG	720
	TOOOL	GAACTCCTG	C AAACTCATGC	TGCAAAGGTG	ביירובר ביייים	スククラウィス スクラウス	780
-N 1.GG	MAAGG	GATACAATT 	G GCATCCAGCT	GGTTGGTGTC	CAGGAGGTGA '	TGGAGCCACT	840
CCAC	ACCTG	GT					852
		•	· · · · · .	•		ent entre	
(2) I	NFORMA	TION FOR	SEQ ID NO:45	•			
					•	* * *	
	(i) SE	QUENCE CH	ARACTERISTICS	S:			

(A) LENGTH: 234 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA			
			•
(vi) ORIGINAL SOURCE:	er til fr		•
(A) ODCANTOM. Homo canienc		•	•
		•	·.·
(wil: SPOURNCE DESCRIPTION: SEO ID NO:45:			`
A STATE OF THE STA	e in Sign Burner		3 .
ACAACAGACC CTTGCTCGCT AACGACCTCA TGCTCATCAA	СТТССАССАА	TCCGTGTCCG	60
AGTCTGACAC CATCCGGAGC ATCAGCATTG CTTCGCAGTG	CCCTACCGCG	CCCAACTCTT	120
GCCTCGTTTC TGGCTGGGGT CTGCTGGCGA ACGGCAGAAT	CCCTACCCCC	CTCCACTCC	180
GCCTCGTTTC TGGCTGGGGT CTGCTGGCGA ACGGCAGAAT TGAACGTGTC GGTGGTGTCT GAGGAGGTCT GCAGTAAGCT	CTTATCA CCCC	CIGCAGIGGG	234
TGAACGTGTC GGTGGTGTCT GAGGAGGTCT GCAGTAAGCT	CTATGACCCG	CIGI	234
			· ·
(2) INFORMATION FOR SEQ ID NO:46:			
(i) SEQUENCE CHARACTERISTICS:		• *	
(A) LENGTH: 590 base pairs			
(B) TYPE: nucleic acid	, to the same	3	•
(C) STRANDEDNESS: single	1. 14: 1	7	
(D) TOPOLOGY: linear			
		*	
(ii) MOLECULE TYPE: cDNA	The second second	$(-1)^{\alpha_1} = (i_1)^{\alpha_2} = (i_2\alpha_1, \dots, i_n)$	
(11)		•	
(vi) ORIGINAL SOURCE:	:	Contract to the	· .
(A) ORGANISM: Homo sapiens	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Service Services	
(A) ORGANISM: Homo Supremo			
(xi) SEQUENCE DESCRIPTION: SEQ IC NO:46:		*	
ACTITITATI TAAAIGITIM TAAGGCAGAI CIAIGAGAAI AITIGATAGC AATAITIIGG AGAITACAGA GIIIIAGTAA	TTACCAATTA	CACAGTTAAA	
PITTGATAGC AATATTTTGG AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT	TTACCAATTA GAAAGATCAA	CACAGTTAAA GGCAGGAAAA	120 180
ATTTGATAGC AATATTTTGG AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT	TTACCAATTA GAAAGATCAA GAATTGCACA	CACAGTTAAA GGCAGGAAAA TTATCCTTTA	120 180 240
AAAGCTTTCA AAANAANAA TTATTGCAGG GTTTTAGTAA TGANTATAAC TAATTGCAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAANAA TTATTGCAGT CTANTTAATT	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT	120 180 240 300
AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT	120 180 240 300 360
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC	120 180 240 300
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC	120 180 240 300 360
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG	120 180 240 300 360 420
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG	120 180 240 300 360 420 480
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG	120 180 240 300 360 420 480 540
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG	120 180 240 300 360 420 480 540
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG	120 180 240 300 360 420 480 540
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG	120 180 240 300 360 420 480 540
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGCC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs (B) TYPE: nucleic acid	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs (B) TYPE: nucleic acid	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs (B) TYPE: nucleic acid	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs  (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590
AGATTACAGA GTTTTAGTAA AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC  (2) INFORMATION FOR SEQ ID NO:47:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 774 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	TTACCAATTA GAAAGATCAA GAATTGCACA CAAACAGTGT TTCATGTAAC GGAAGTANTC CCTCTGGAGA GATGAAAAAG AGTCACATGT	CACAGTTAAA GGCAGGAAAA TTATCCTTTA TAAATGGTAT NCACCCANAT AAGGTCTTTC CAGCTGCCAG GACACATGCT	120 180 240 300 360 420 480 540 590

TGAACAGAAT TTTCCTGNAC AACGGGGCTT CAAAATAATT TTCTTGGGGA GGTTCAAGAC

GCTTCACTGC TTGAAACTTA AATGGATGTG GGACA CATTACAGAC GGGACTCTGG GAGGAAGGAT AAACA	NAATT TTCTGTAATG ACCCTGAGGG 180
CATTACAGAC GGGACTCTGG GAGGAAGGAT AAACA	
· · · · · · · · · · · · · · · · · · ·	GAAAG GGGACAAAGG CTAATCCCAA 240
AACATCAAAG AAAGGAAGGT GGCGTCATAC CTCCC	'AGCCT ACACACTTCT CCACCCCTCT 240
CCTCATCCCT GGAGGACGAC AGTGGAGGAA CAACT	AGCCT ACACAGTTCT CCAGGGCTCT 300
CTGGCTCCTG GTCTTCAGCC CCCAGCTCTG GAAGC	GACCA TGTCCCCAGG CTCCTGTGTG 360
CCACACTCCT TCAACACACA TCCCCACCTCTG GAAGC	CCACC CTCTGCTGAT CCTGCGTGGC 420
CCACACTCCT TGAACACACA TCCCCAGGTT ATATT	CCIGG ACATGGCTGA ACCTCCTATT 480
CCTACTTCCG AGATGCCTTG CTCCCTGCAG CCTGT	CAAAA TCCCACTCAC CCTCCAAACC 540
ACGGCATGGG AAGCCTTTCT GACTTGCCTG ATTAC	TCCAG CATCTTGGAA CAATCCCTGA 600
TTCCCCACTC CTTAGAGGCA AGATAGGGTG GTTAA	GAGTA GGGCTGGACC ACTTGGAGCC 6.60
AGGCTGCTGG CTTCAAATTN TGGCTCATTT ACGAG	CTATG GGACCTTGGG CAAGTNATCT 720
TCACTTCTAT GGGCNTCATT TTGTTCTACC, TGCAA	AATGG GGGATAATAA TAGT 774
(2) INFORMATION FOR SEQ ID NO:48:	1980 - 1880 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890 - 1890
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 124 base pairs	in the control of the
	and the second of the second o
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(b) TOPOLOGI: IIIleal	the second of the second of the second
(ii) MOT ECHT E MUDE	
(ii) MOLECULE TYPE: cDNA	
(with approximation	·
(vi) ORIGINAL SOURCE:	*1 495 k = + + + + + + + + + + + + + + + + + +
(A) ORGANISM: Homo sapiens	gorden um etterritärin etti
(xi) SEQUENCE DESCRIPTION: SEQ ID 1	<b>10:48:</b> 471 - 42 teach and green and a
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT	TTATA TCCATAAAAT GATATAATTT 60
TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTT	CCTT AATTACAGCT CAACGCAACT 120
<b>FGGT</b>	1 1974 OB 1970 DATE (124
FGGT The state of the state	I TO THE CONTROL OF THE CONTROL OF A CONTROL
FGGT The state of the state	I TO THE CONTROL OF THE CONTROL OF A CONTROL
(2) INFORMATION FOR SEQ ID NO:49:	2 - 1509 (2015) - 1800 (2015) - 1640 (1006) - 1640 (1 <b>.124</b> ) 8 - 1668 (1850 - 1866) - 1646 (1866) - 1658 (1866) 18 - 17 - 17 (1866) - 18 (1866) - 17 (1866) - 17 (1866)
(2) INFORMATION FOR SEQ ID NO:49:	I TO TENTRAL LITTE LETTER LITERATE AND ELETE <b>LITERAL</b> RECTURN AND LETTER LITERAL LIT
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:	J. Stocker and Control of Many Manager C.224 S. Jack S.A. and J. Stocker Stocker and Control of Manager (1988) J. Jack S.A. and J. A. and J. and J. A. and J. A
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs	
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid	
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid	In the second control of the control
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	TO THE SECRET SECTION OF A TOWNSHIP CARES OF A STREET SECTION AND A STREET SECTION ASSETS OF A STREET SECTION OF A STREET SECT
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	In the second control of the control
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	In the second control of the control
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	In the second control of the control
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	The property of the control of the c
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	The property of the control of the c
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N	A STORE OF THE COURT OF A TOWN OF A CLASS OF A STORE OF
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N	A STORE OF THE COURT OF A TOWN OF A CLASS OF A STORE OF
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N	C.124  C.107
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N  CCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTG CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANT	C.24
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N	C.24
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N  CCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTG  CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANT  TAGGGCACC CATATCCCAA GCANTGT	C.24
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N  CCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTG CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANT	C.24
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N  CCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTG CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANT  TAGGGCACC CATATCCCAA GCANTGT  2) INFORMATION FOR SEQ ID NO:50:	C.24
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N  CCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTG CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANT  TAGGGCACC CATATCCCAA GCANTGT  2) INFORMATION FOR SEQ ID NO:50:  (i) SEQUENCE CHARACTERISTICS:	O:49:  TTTT TATTATTCTC: TCAACAGCTT 60 TTTT TACGGGTGAT TGCAAAAATT 120 147
(2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID N  CCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTG CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANT  TAGGGCACC CATATCCCAA GCANTGT  2) INFORMATION FOR SEQ ID NO:50:	O:49:  TTTT TATTATTCTC: TCAACAGCTT 60 TTTT TACGGGTGAT TGCAAAAATT 120 147

(D) TOPOLOGY: linear	:	
(ii) MOLECULE TYPE: cDNA		
<pre>(vi) ORIGINAL SOURCE:     (A) ORGANISM: Homo sapiens</pre>		
(A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ II	NO:50:	
ACATTAAATT AATAAAAGGA CTGTTGGGGT TCTCATGGTTTGAG GTTAGGAGGA GTTAGGCATA TGT		GATATATTGC 60
(2) INFORMATION FOR SEQ ID NO:51:	en tide Section (Section	1. (1. (1. (1. (1. (1. (1. (1. (1. (1. (
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 204 base pairs		
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (D)	en e	ennes e e e e e e e e e e e e e e e e e
(ii) MOLECULE TYPE: cDNA	ortonio (1770) Morro Dino (1809) Notation Branco (1800) Morro	1 (a (a 10 0 0 10 10 10 10 10 10 10 10 10 10 10
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	AND SUPERIOR OF STATE	
(xi) SEQUENCE DESCRIPTION: SEQ I	KARO OT LAKEDON, LA	
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GTCCTAGGAA GTCTAGGGGA CACACGACTC TGG CGGGAAGGAA AGGCAGAAAA GTGACACCGT CAG GCCTTGCAAG GTCAGAAAGG GGACTCAGGG CTT	GGTCACG GGGCCGACAC AGGGGAAA TGACAGAAAG CCACCAC AGCCCTGCCC	GAAAATCAAG 120 CACTTGGCCA 180 204
GTCCTAGGAA GTCTAGGGGA CACACGACTC TGG CGGGAAGGAA AGGCAGAAAA GTGACACCGT CAG GCCTTGCAAG GTCAGAAAGG GGACTCAGGG CTT	GGTCACG GGGCCGACAC GGGGAAA TGACAGAAAG CCACCAC AGCCCTGCCC	GAAAATCAAG 120 CACTTGGGCA 180 204
GTCCTAGGAA GTCTAGGGGA CACACGACTC TGGGCGGAAGGAA AGGCAGAGAA GTGACACCGT CAGGCCTTGCAAG GTCAGAAAGG GGACTCAGGG CTTGCCCCTTTT GGGACCAGCA ATGT  (2) INFORMATION FOR SEQ ID NO:52:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 491 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	GGTCACG GGGCCGACAC AGGGGGAAA TGACAGAAAG CCACCAC AGCCCTGCCC	GAAAATCAAG 120 CACTTGGCCA 180 204
GTCCTAGGAA GTCTAGGGGA CACACGACTC TGGGCGGAAGGAA AGGCAGAGAA GTGACACCGT CAGGCCTTGCAAG GTCAGAAAGG GGACTCAGGG CTTGCCTCCCTTTT GGGACCAGCA ATGT  (2) INFORMATION FOR SEQ ID NO:52:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 491 base pairs  (B) TYPE: nucleic acid	GGTCACG GGGCCGACAC AGCCCTGCCC AGCCCTGCCC	GAAAATCAAG 120 CACTTGGCCA 180 204
GTCCTAGGAA GTCTAGGGGA CACACGACTC TGGCCGGGAAGGAA AGGCAGAGAA GTGACACCGT CAGGCCTTGCAAG GTCAGAAAGG GGACTCAGGG CTTCCCTCTTT GGGACCAGCA ATGT  (2) INFORMATION FOR SEQ ID NO:52:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 491 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	GGTCACG GGGCCGACAC GGGGAAA TGACAGAAAG CCACCAC AGCCCTGCCC	GAAAATCAAG 120 CACTTGGGCA 180 204
GTCCTAGGAA GTCTAGGGGA CACACGACTC TGGGCGGAAGGAA AGGCAGAGAA GTGACACCGT CAGGGCTTGCAAG GTCAGAAAGG GGACTCAGGG CTTGCCTCCTTTT GGGACCAGCA ATGT  (2) INFORMATION FOR SEQ ID NO:52:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 491 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	GGTCACG GGGCCGACAC GGGGAAA TGACAGAAAG CCACCAC AGCCCTGCCC	GAAAATCAAG 120 CACTTGGGCA 180 204

CAATTTTATT TGGATAACAA AGGGTCTCCA AATT	FATATTG AAAAATAAAT CCAAGTTAAT	48 49
		49.
(2) INFORMATION FOR SEQ ID NO:53:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 484 base pairs		
(B) TYPE: nucleic acid		
(D) TOPOLOGY: linear		
TANDA OF THE STANDARD OF THE S	The second of the second second	
(ii) MOLECULE TYPE: CDNA	Maryo di 1909 matematikan diserbitah dipelah me	• .
(vi) ORIGINAL SOURCE:	artistic to be a significant description of	
(A) ORGANISM: Homo sapiens		
•	and the first transport of the specific first	
(xi) SEQUENCE DESCRIPTION: SEQ ID		•
	from the first of the experience of	
ACATAATTTA GCAGGGCTAA TTACCATAAG ATGC	TATTTA TTAANAGGTN TATGATCTGA	60
GTATTAACAG TIGCTGAAGT TIGGTATTIT TATG	CAGCAT TTTCTTTTTG CTTTGATAAC	120
ACTACAGAAC CCTTAAGGAC ACTGAAAATT AGTA	AGTAAA GTTCAGAAAC ATTAGCTGCT	180
CAATCAAATC TCTACATAAC ACTATAGTAA TTAA		240
GCACTAGTAT ANACCGCTCC TGTCAGGATA ANAC	TGCTTT GGAACAGAAA GGGAAAAANC	300
AGCTTTGANT TTCTTTGTGC TGATANGAGG AAAG	GCTGAA TTACCTTGTT GCCTCTCCCT	360
AATGATTGGC AGGTCNGGTA AATNCCAAAA CATA	TTCCAA CTCAACACTT CTTTTCCNCG	420
TANCTTGANT CTGTGTATTC CAGGANCAGG CGGA	TGGAAT GGGCCAGCCC NCGGATGTTC	480
CANT . PROPERTY C	TO A CONTROL OF STREET BOOK OF STREET	484
(i) SEQUENCE CHARACTERISTICS:	FART DREED GOALA - REEDE CORDA COMENTAL DOAL TOWN DE BOOM OF A SECURITY OF A STOLE OF SOLE OF A COMENTAL COMENTAL CONTRACTOR	)*.¥.
(C) STRANDEDNESS: single	$(x,y) \in \{x,y\} \times \{x,y\} \times \{x,y\} \times \{x,y\} \times \{x,y\} \times \{x\}$	
(D) TOPOLOGY: linear		
	. A BOOK HAND IN THE STATE OF	
(ii) MOLECULE TYPE: cDNA	Sugar Section 18 18 18	
	★ 1	
(vi) ORIGINAL SOURCE:	Argenta in 1976 to 1978 to 1971	
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ ID		
ACTAAACCTC GTGCTTGTGA ACTCCATACA GAAAA		60
CCACTGGGTA TACTGCTGAC AACCGCAACA ACAA	AAACAC AAATCCTTGG CACTGGCTAG	120
TCTATGTCCT CTCAAGTGCC TTTTTGTTTG T		151
	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
(2) INFORMATION FOR SEQ ID NO:55:		
	$\sqrt{\pi}$ is the Hall set of $\pi$ and $\pi$ is the $\pi$	
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 91 base pairs		• •
(B) TYPE: nucleic acid		<i>1</i>
(C) STRANDEDNESS: single . (D) TOPOLOGY linear		
(D) TOPOLOGY: linear	$\frac{1}{2} \frac{\partial u}{\partial x} = \frac{1}{2} \frac{\partial u}{\partial x} + \frac{1}{2} \frac{\partial u}{\partial x} $	

	(ii)	MOLE	CULE TYPE:	CDNA			•	
	, .,			_				
	(V1)		INAL SOURC					
		(A)	ORGANISM:	Homo sapier			*	
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	(xi)	SEQU	ENCE DESCR	IPTION: SEQ				
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					CCCCACGG TCCC			60
GCC	CTCCA	GT GG	ATACTCGA G	CCAAAGTGG T	a translation			91
•		+ * · .	To 12 14 127			Company of the company		
(2)	INFO	RMATI	ON FOR SEQ	ID NO:56:		1. 1		
					•	- It i		
	(i)			CTERISTICS:				
					s			. •
			TYPE: nuc		•			
		(C)	STRANDEDN	ESS: single				
		(D)	TOPOLOGY:	linear	7,44,500			
						100		,
	(ii)	MOLE	CULE TYPE:	cDNA	ş. E			
					· f., '	$j \rightarrow 2, i + i + i + i$	$\mathcal{F}_{ij} = \{ 4, \ldots, 6, \ldots \}$	•
	(vi)	ORIG	INAL SOURC	E:				\$ . · ·
		(A)	ORGANISM:	Homo sapier	າຣ	2 3 th. 1	Service of the Service	
					_			٠.
	(xi)	SEQU	ENCE DESCR	IPTION: SEQ	ID NO:56:			• '
٠.					500.5 SZ 0.			
	GATG'	רכי ככי	TOPOCOMO A	ጥአርአአአጥአጥ ርባ		~~~~ ~~ ~~	יא כיייא תיא כיייי	60
					CATTTTAT GTAA			
TGG	\TTTT				CATTITAT GTAA GTCCAGGA ACCA			120
		rg gt/ ac tg/	ATCTGTGG G T	TTGGGGGGA: CO	GTCCAGGA ACCA	ATACCC CA	TGGATACC	120 133
AAG	GACA	rg gt/ AC Tg/	ATCTGTGG G I	TTGGGGGGA: CO	GTCCAGGA ACCA	ATACCC CA	TGGATACC	120 133
AAG	GACA	rg gt AC tg RMATI	ATCTGTGG G T ON FOR SEQ	TTGGGGGGA: CO	egtccagga acca nggata ito agas shakui aasa antig	ATACCC CA	ATGGATACC	120 133
AAG( (2)	INFO	rg gt AC tg RMAti	ATCTGTGG G r on for seq	TTGGGGGGA: CO	egtccagga · acca · · · · · · · · · · · · · · · · · · ·	ATACCC CA	ATGGATACC	120 133
AAG( (2)	INFO	rg gt AC TG RMATIO	ATCTGTGG G I ON FOR SEQ ENCE CHARA	TTGGGGGGA CO	GGTCCAGGA · ACCA	ATACCC CE	ATGGATACC	120 133
AAG( (2)	INFO	rg gt AC TG RMATIO	ATCTGTGG G I ON FOR SEQ ENCE CHARA	TTGGGGGGA CO	SGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	rg gt AC tg RMATI SEQU (A)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1	TTGGGGGGA CO	SGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	rmatic SEQUI (A)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair	EGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUITE (B) (C)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN	TTGGGGGGA CO  ID NO:57:  CTERISTICS: 47 base pair leic acid	EGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUITE (B) (C)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair leic acid ESS: single	EGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUE (B) (C) (D)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY:	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair leic acid ESS: single linear	EGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUE (B) (C) (D)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair leic acid ESS: single linear	EGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	RMATIO SEQUI (A) (B) (C) (D)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE:	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair leic acid ESS: single linear CDNA	EGTCCAGGA ACCA	ATACCC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUE (A) (B) (C) (D) MOLE	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE:	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base paid leic acid ESS: single linear cDNA	SGTCCAGGA · ACCA	ATACC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUE (A) (B) (C) (D) MOLE	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE:	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base paid leic acid ESS: single linear cDNA	SGTCCAGGA ACCA	ATACC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUE (A) (B) (C) (D)  MOLE ORIG (A)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM:	TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA	SGTCCAGGA ACCA	ATACC CE	ATGGATACC	120 133
(2)	INFO	RMATIC SEQUE (A) (B) (C) (D)  MOLE ORIG (A)	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM:	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base paid leic acid ESS: single linear cDNA	SGTCCAGGA ACCA	ATACC CE	ATGGATACC	120 133
(2)	INFO	SEQUE ORIG (A) SEQUE SEQUE SEQUE SEQUE SEQUE	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR	TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA	egtccagga Acca	ATACC CE	ATGGATACC	120 133
AAG((2)) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	GGACA INFO  (i)  (ii)  (vi)  (xi)  CTGGA	GG GT.  AC TG'  RMATIC  SEQUI  (A)  (B)  (C)  (D)  MOLE  ORIG  (A)  SEQUI  SEQUI  GA AC	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR	TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGGGA CO TTGGGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGA CO TTGGGA CO	egtccagga acca	ATACCC CA	ATGGATACC	120 133
AAGC	GGACA INFO  (i)  (ii)  (vi)  (xi)  CTGGA	GG GT.  RMATIC SEQUI (A) (B) (C) (D)  MOLE  ORIG (A)  SEQUI  SEQUI  GA AC  GC TG.	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR	TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGA CO TTGGA	EGTCCAGGA ACCA	ATACCC CA	ATGGATACC	120 133 60 120
AAGC	GGACA INFO  (i)  (ii)  (vi)  (xi)  CTGGA	GG GT.  RMATIC SEQUI (A) (B) (C) (D)  MOLE  ORIG (A)  SEQUI  SEQUI  GA AC  GC TG.	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR	TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGGA CO TTGGGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGGA CO TTGGGGGA CO TTGGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGGA CO TTGGGA CO TTGGA	egtccagga acca	ATACCC CA	ATGGATACC	120 133
AAGO	GGACA INFO (i) (ii) (vi) (xi) CTGGA CANTG	GG GT.  RMATIC  SEQUI  (A)  (B)  (C)  (D)  MOLE  ORIG  (A)  SEQUI  GA AC  GC TG  GG CT	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: NUC STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR CTGAGCCG C AGCCCTTC C GGATNCAT G	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair leic acid ESS: single linear  CDNA E: Homo sapier CIPTION: SEQ CTGCTCCGCC TO CCAGGGT	SGTCCAGGA ACCA	ATACCC CA	ATGGATACC	120 133 60 120
AAGO	GGACA INFO (i) (ii) (vi) (xi) CTGGA CANTG	GG GT.  RMATIC  SEQUI  (A)  (B)  (C)  (D)  MOLE  ORIG  (A)  SEQUI  GA AC  GC TG  GG CT	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: NUC STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR CTGAGCCG C AGCCCTTC C GGATNCAT G	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pair leic acid ESS: single linear  CDNA E: Homo sapier CIPTION: SEQ CTGCTCCGCC TO CCAGGGT	EGTCCAGGA ACCA	ATACCC CA	ATGGATACC  CNGTGGCGC	120 133 60 120
AAGO	GGACA INFO (i) (ii) (vi) (xi) CTGGA CANTG	GG GT.  RMATIC SEQUE (A) (B) (C) (D)  MOLE  ORIG (A)  SEQUE  GA AC  GC TG.  GG CT.  ORMAT	ATCTGTGG G I ON FOR SEQ ENCE CHARA LENGTH: 1 TYPE: nuc STRANDEDN TOPOLOGY: CULE TYPE: INAL SOURC ORGANISM: ENCE DESCR CTGAGCCG C AGCCCTTC C GGATNCAT G ION FOR SE	TTGGGGGGA CO ID NO:57: CTERISTICS: 47 base pain leic acid ESS: single linear  CDNA E: Homo sapien CIPTION: SEQ CTGCTCCGCC TO CCTTTGCGCC TO CCAGGGT CQ ID NO:58:	SGTCCAGGA ACCA	ATACCC CA	ATGGATACC ENGTGGCGC ACNTGCANA	120 133 60 120 147

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: CDNA		
(vi) ORIGINAL SOURCE:	The state of the s	
(V1) ORIGINAL SOURCE:	eduction in St. St. A BLETTE in the con-	
(A) ORGANISM: Homo sapiens		
(with approximate processing the second	र क्रिक्ट अस्ति विश्व सम्बद्ध । १५, १५, १५	•
(xi) SEQUENCE DESCRIPTION: SEQ II	D NO:58:	
ACACCOMMAN ACCOMMAND ACCOMMAND	and appropriate the process of the	
ACAGGGATAT AGGTTTNAAG TTATTGTNAT TGTA	AAATAC ATTGAATTTT CTGTATACTC	· 1 60
TGATTACATA CATTTATCCT TTAAAAAAGA TGTA	AAATCTT AATTTTTATG CCATCTATTA	120
ATTTACCAAT GAGTTACCTT GTAAATGAGA AGTC	LATGATA GCACTGAATT TTAACTAGTT	180
TIGACTICIA AGITIGGI		198
(2) INFORMATION FOR SEQ ID NO:59:	1807 88 180 U.A. E. FMAD 10 10 10	•
(2) Intoldation for big ip No:39:	alegacia ser recent	
(i) SEQUENCE CHARACTERISTICS:	A KANA TARTA SAN TANDAN (AND TANDA) TENGRAPAT A SEMBERA A TANDAN TANDAN	* * * * * * * * * * * * * * * * * * * *
	The second of th	
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	en e	
(D) TOPOLOGY: linear	Low March 25 March 1997	
(2) Torobodi. Timedi	green een	•
(ii) MOLECULE TYPE: cDNA	The bigger of the company of the com	•
		~
(vi) ORIGINAL SOURCE: Sand Q	THE SECTION OF SECTION AND SECTION OF SECTION	•
	A Company Company of C	•. •
(A) ORGANISM: Homo sapiens	•	
(A) ORGANISM: Homo sapiens	ing die der State der Stat	المعارية
THE CONTRACTOR OF THE ASSETS THE PROPERTY OF T	Dang serip kanggapatan sanggapat sering E <b>no:59</b> :59:5550 noos book serip nanggapat	
TOKEN OF OUR TOKEN OF THE TRANSPORM (xi) T SEQUENCE (DESCRIPTION: / SEQUENCE)	1913 (1714) 2013 (2014) (2014) (2014) (2014) (2014) (2014)	Tillian of the control of the contro
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA	CALLE CHARLES CONTROL CONTROL CONTROL CALLE  AAACTG GTGATGGCTA CALCACTT  AAACTG GTGATGGCTA CALCACTT	7 (2.5) 2017.1
(xi) SEQUENCE DESCRIPTION: SEQUENCE DESCRIPT	NO:59:00000000000000000000000000000000000	7 (2.5) 2017.1
(xi) SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE ACARCAAATG GGTTGTGAGG AAGTCTTATC AGCARCAATTGAAAA TTATCATTAA TGATTTTAAA TGACACACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG	AAACTG GTGATGGCTA CTGAAAAGAT  AGTTA TCAAAAACTC: ACTCAATTTT  CTAGAG CAAATATAGT ATCTTCTGAA	60 120
(xi) SEQUENCE DESCRIPTION: SEQUENCE CONTROL AGAINST AGAIN CONTROL AGAINST AGAIN CONTROL AGAINST AGAINS	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC: ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT: TCCAGACCTG	60 120 180
(xi) SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE ACACAMATA TRANSPORTATION AGAINST TACAMATA TRANSPORTATION ACCORDENS TO ACACAMATA ACCAMATA ACCAMA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTT CCAGACCCAG CTGTGCCTCAAAATACC TAATGATATT	60 120 180 240
(xi) SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE ACARCAAATG GGTTGTGAGG AAGTCTTATC AGCARCAATTGAAAA TTATCATTAA TGATTTTAAA TGACACACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTT CCAGACCCAG CTGTGCCTCAAAATACC TAATGATATT	60 120 180
(xi) SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE ACCAMANA TRATCATTAA TGATTTTAAA TGACACACACTGCTA AGCTTGCTAA AATGGGAGTT AACTGTACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTGTTTTCGTCTTT ATTGGACTTC TTTGAAGAGT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTT CCAGACCCAG CTGTGCCTCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE ACACAMATA TRANSPORTATION AGAINST TACAMATA TRANSPORTATION ACCORDENS TO ACACAMATA ACCAMATA ACCAMA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTT CCAGACCCAG CTGTGCCTCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CESCRIPT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE ACCORDED TO THE SEQUENCE ACCORDED TO THE SEQUENCE ACCORDED TO THE SEQUENCE ACCORDED TO THE SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs (B) TYPE: nucleic acid	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE DESCRIPTION: SEQUENCE CESCRIPTION: SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC: ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC: TCAAAATACC TAATGATATT	60 120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQUENCE CACACAAATG GGTTGTGAGG AAGTCTTATC AGCAACAAATG GGTTGTGAGG AAGTCTTATAA TGACACACTGTGCT AGCTTGCTAA AATGGGAGTT AACTGCACACAAA AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTCTTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC: ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC:TCAAAATACC TAATGATATT	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACAC CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC: ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC:TCAAAATACC TAATGATATT	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACAC CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC: ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC:TCAAAATACC TAATGATATT	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACA CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACAC CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACA CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACA CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGG CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT  NO:60:	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACAC CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGG CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTG TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTTCGTCGTGGGCT CCTTCTCTCTT CATCCTCATC CAGCTCTCTCTCTCTCTT CATCCTCATC CAGCTCTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTC	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT  NO:60:	60 120 180 240 300 330
(xi) SEQUENCE DESCRIPTION: SEQUENCE ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACA CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGG CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT  NO:60:	60 120 180 240 300 330

	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 154 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(	(ii) MOLECULE TYPE: cDNA	and the second s
•	<pre>(vi) ORIGINAL SOURCE:     (A) ORGANISM: Homo sapiens</pre>	
ı	(xi) SEQUENCE DESCRIPTION: SEQ I	
\$ ·,	Talker Market Server and Server Advanced	
GGTT	CACTTT TCCTCCTGTG AGCAGTCTGG ACT GTTGCT CTTCAACAGT ATCCTCCCCT TTC CTGCAC AGCCCCGGGG CTCCACATTG CTG	CGGATCT GCTGAGCCGG ACAGCAGTGC 120
(2)	INFORMATION FOR SEQ ID NO:62:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 30 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: cDNA	than the second of the second
	<pre>(vi) ORIGINAL SOURCE:     (A) ORGANISM: Homo sapiens</pre>	
1	(xi) SEQUENCE DESCRIPTION: SEQ 1	(D NO:62:
CGCT	CGAGCC CTATAGTGAG TCGTATTAGA	en en Registrative e en en et en 1996 et 30. Tenne en
(2)	INFORMATION FOR SEQ ID NO:63:	
(2)	•	and the second s
(2)	INFORMATION FOR SEQ ID NO:63:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 89 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	
(2)	INFORMATION FOR SEQ ID NO:63:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 89 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(2)	INFORMATION FOR SEQ ID NO:63:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 89 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	
ACAA	INFORMATION FOR SEQ ID NO:63:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 89 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ	

(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 97 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:	
ACCGGAGTAA CTGAGTCGGG ACGCTGAATC TGAATCCACC AATAAATAAA GGTTCTGCAG AATCAGTGCA TCCAGGATTG GTCCTTGGAT CTGGGGT	6 ( 9,7
(2) INFORMATION FOR SEQ ID NO:65:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 377 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: ODNA	 L.
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:65:	
ACAACAANAA NTCCCTTCTT TAGGCCACTG ATGGAAACCT GGAACCCCCT TTTGATGGCA GCATGGCGTC CTAGGCCTTG ACACAGCGGC TGGGGTTTGG GCTNTCCCAA ACCGCACACC CCAACCCTGG TCTACCCACA NTTCTGGCTA TGGGCTGTCT CTGCCACTGA ACATCAGGGT CCGGTCATAA NATGAAATCC CAANGGGGAC AGAGGTCAGT AGAGGAAGCT CAATGAGAAA GGTGCTGTTT GCTCAGCCAG AAAACAGCTG CCTGGCATTC GCCGCTGAAC TATGAACCCG AGGGGGTGAA CTACCCCCAN GAGGAATCAT GCCTGGGCGA TGCAANGGTG CCAACAGGAG AGGCGGGAGG AGCATGT AGGCGGGAGG AGCATGT AGGCACCCCT TTTGATGGCA 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0 0 0
2) INFORMATION FOR SEQ ID NO:66:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:	

AGAACCCGTG TGCCCCTTCC CACCATATCC AGGAACTAAC TGCACCCTGG TCCTCCCCC TCCTCCACTC TAAGGGATAT CAACACTGCC TTATATATTT TTTAATAAGA TGCACTTTAT	AGTCCCCAGT CAGCACAGGG	TCACCCTCCA GCCCTGAATT	TCCCTCACCT TATGTGGTTT	120 180 240 300
TGTTT	,		•	305
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(2) INFORMATION FOR SEO ID NO:67:	:			
(i) SEQUENCE CHARACTERISTICS	Section 4			. 4"
(i) SEQUENCE CHARACTERISTICS	<b>5:</b>			-
(A) LENGTH: 385 base pa	airs			* * *
(B) TYPE: nucleic acid	site of the Control			
(C) STRANDEDNESS: sing	Le rain, son			
(D) TOPOLOGY: linear	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	* . *		
The same of the sa	ng tay t <del>a</del> ni ing n	ちゅい こうりつ		
(ii) MOLECULE, TYPE: CDNA		4	<u>.</u>	, , , , , ,
	mark the sale	1 - 1-2		
(vi) ORIGINAL SOURCE:				• • • • • • • • • • • • • • • • • • • •
(A) ORGANISM: Homo sapi	iens	3 May 18		
`. •		•		
(xi) SEQUENCE DESCRIPTION: SI	EQ ID NO:67	: 1.40 To a 1.1		•
		$\mathbf{v}_{\mathbf{s}}^{(i)} = \mathbf{v}^{(i)} \cdot \mathbf{v}^{(i)} = \mathbf{v}^{(i)} \cdot \mathbf{v}^{(i)}$		
ACTACACACA CTCCACTTGC CCTTGTGAGA	CACTTTGTCC	CAGCACTTTA	GGAATGCTGA	60
GGTCGGACCA GCCACATCTC ATGTGCAAGA	TTGCCCAGCA	GACATCAGGT	CTGAGAGTTC	120
CCCTTTTAAA AAAGGGGACT TGCTTAAAAA	AGAAGTCTAG	CCACGATTGT	GTAGAGCAGC	180
TGTGCTGTGC TGGAGATTCA CTTTTGAGAG	AGTTCTCCTC	TGAGACCTGA	TCTTTAGAGG	240
CTGGGCAGTC TTGCACATGA GATGGGGCTG	GTCTGATCTC	AGCACTCCTT	AGTCTGCTTG	300 360
CCTCTCCCAG GGCCCCAGCC TGGCCACACC	TGCTTACAGG	GCACTCTCAG	ATGCCCATAC	385
CATAGTTTCT GTGCTAGTGG ACCGT		: 1		385
4-1		a sphale in 201	*	
(2) INFORMATION FOR SEQ ID NO:68	:	. JE 1.19 11.	v sin Mark	
		ing selation of the		
(i) SEQUENCE CHARACTERISTIC (A) LENGTH: 73 base pa	j. iro		30 July 2004	
(B) TYPE: nucleic acid	IIS,	, 1 . 7		
(C) STRANDEDNESS: sing	lo .	, , , , , , , , , , , , , , , , , , ,		
(D) TOPOLOGY: linear	16		· / · · · · · · · · · · · · · · · · · ·	
(D) TOPOLOGI: Timear				
(iii) MOLEGNIE WYDE - CDNA	and the second s			
(ii) MOLECULE TYPE: cDNA	and a second			
(vi) ORIGINAL SOURCE:		4.1		34
(A) ORGANISM: Homo sap		• •		
(A) ORGANISM: HOMO SAP	Tells		ž.	
(xi) SEQUENCE DESCRIPTION: S	PO TO NO.69	! <b>`</b> •		. ,
(X1) SEQUENCE DESCRIPTION: 5	EQ ID NO.00			
ACTTAACCAG ATATATTTT ACCCCAGATG		מממממתים י	במבתממתמת	60
	GGGAIAIIÇI		. IOHHHIIIH	73
GTTTTTTAA TGG			4 - 12	, -
(a) Typonyamion for any in No. Co				
(2) INFORMATION FOR SEQ ID NO:69	' \$		· ·	
///	IC.		, .	
(i) SEQUENCE CHARACTERISTIC		• •	•	•
(A) LENGTH: 536 base p		•		
(B) TYPE: nucleic acid				. •
(C) STRANDEDNESS: sing	ITE			

(ii) MOLECULE TYPE: cDNA	To know the control of the second section
	The state of the s
(vi) ORIGINAL SOURCE: A TO A TO	A State of the Sta
(A) ORGANISM: Homo sapiens	第一天 第二件,从选项的第三人称单位。
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:69:
	1. The state of the the state of the state o
ACTAGTCCAG TGTGGTGGAA TTCCATTGTG TTGGC	GGGCTC TCACCCTCCT CTCCTGCAGC 60
TCCAGCTTTG TGCTCTGCCT CTGAGGAGAC CATGO	CCCAG CATCTGAGTA CCCTGCTGCT
CCTGCTGGCC ACCCTAGCTG TGGCCCTGGC CTGGI	AGCCCG AAGGAGGAGG ATAGGATAAT 100
CCCGGGTGGC ATCTATAACG CAGACCTCAA TGATG	SAGTGG GTACAGCGTG CCCTTCACTT 240
CGCCATCAGC GAGTATAACA AGGCCACCAA AGATO	SACTAC TACAGACCTC CCCTCCCCCT
ACTAAGAGCC AGGCAACAGA CCGTTGGGGG GGTGA	ATTAC TTCTTCGACG TAGACCTCCC 360
CCGAACCATA TGTACCAAGT CCCAGCCCAA CTTGG	SACACC TGTGCCTTCC ATGAACACCC 420
AGAACTGCAG AAGAAACAGT TGTGCTCTTT CGAGA	TCTAC GAAGTTCCCT CCCCACAACA
GAANGTCCCT GGGTGAAATC CAGGTGTCAA GAAAT	CCTAN CGATCTCTTC CCACGG
	CCTAN GGATCTGTTG CCAGGC 536
(2) INFORMATION FOR SEQ ID NO:70:	
(i) SEQUENCE CHARACTERISTICS:	A SULTAN TO THE SECOND SECTION OF THE SECOND SE
(A) LENGTH: 477 base pairs	
(B) TYPE: nucleic acid	AND A CONTRACTOR SERVICE
(C) STRANDEDNESS: single	CHI FOR FOOTE IN DISTRICT CONTINUES IN
(D) TOPOLOGY: linear areas	A LA NOTE OF MEXISTER AND STREET
THE RESERVE OF THE PROPERTY OF	M 669608 - 10 29 (1) (1008 - 10 10 10 10 10 10 10 10 10 10 10 10 10
(ii) MOLECULE TYPE: CDNA	CI DELEGEDENTAL TOTALEDANDE DE DEGRADORE FUIT
The TT COME IN A STORY CORN LANCE A STORY	ACLUSION OF THE CONTRACT OF THE STATE OF THE
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(, nomo bapiens	THE REPORT OF THE PROPERTY OF THE CONTROL OF THE
(xi) SEQUENCE DESCRIPTION: SEQ ID 1	NO.70.
Z == O = D = O = O = O = O = O = O = O =	
ATGACCCCTA ACAGGGGCCC TCTCAGCCCT CCTAA	PCACC MCCCCCCCCCC
CACTTCCAC TCCATAACGC TCCTCATACT AGGCC	IGACC TCCGGCCTAG CCATGTGATT 60
CCAATGATGG CGCGATGTAA CACGAGAAAG CACATA	ACCAR ACCAACACAC TAACCATATA 120
CAAAAAGGC CTTCGATACG GGATAATCCT ATTTA	ACCAA GGCCACCACA CACCACCTGT 180
GGGATTTT CTGAGCCTTT TACCACTCCA GCCTAC	TTACC TCAGAAGTTT TTTTCTTCGC 240
CTGCCCCC AACACCCATC ACCCCCTA CCCTAC	GCCCC TACCCCCAA CTAGGAGGGC 300
CTGGCCCCC AACAGGCATC ACCCCGCTAA ATCCCC	TAGA AGTCCCACTC CTAAACACAT 360
CGTATTACT CGCATCAGGA GTATCAATCA CCTGAC	GUICA CCATAGTCTA ATAGAAAACA 420
CCGAAACCA AATTATTCAA AGCACTGCTT ATTACA	AATTT TACTGGGTCT CTATTTT 477
2) INFORMATION FOR SEQ ID NO:71:	
(i) CECUMION GUARAGER	स्ति । यो १ का यो पूर्व प्रशास्त्रकाति । व
(i) SEQUENCE CHARACTERISTICS:	
	April 1984 April 1984 April 1985 April 1984
(B) TYPE: nucleic acid	But all the
(C) STRANDEDNESS: single	•
(D) TOPOLOGY: linear	ing the first of the contract
:	
(ii) MOLECULE TYPE: cDNA	
	$\phi_{i}^{*}=\phi_{i}^{*}$ , which is the $\phi_{i}^{*}=\phi_{i}^{*}$
(vi) ORIGINAL SOURCE:	4.7 · · · · · · · · · · · · · · · · · · ·
(A) ORGANISM: Homo sapiens	White section is a second section of the section of the second section of the section o

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:

The state of the s	
AGAGCTATAG GTACAGTGTG ATCTCAGCTT TGCAAACAC	
AGGTATTAAT AGATATGTAA AGAAAGAAAT CACACCATT	
TGTGATTITA GTGGTATTTT TGGCACCCTT ATATATGTT	
ATTATTTCCA TAACTTAAAA AGTGAGTTTG AAAAAGAAA	
TAAATAAAGG TTTGTCATCT TTAAAAATAC AGCAATATG	
AAATAGGTGT GACCCTACTA ATAATTATTA GAAATACAT	
AGTCAGTTTG CCTTGAAAAA TATCAAATAT AACTCTTAG	
CTTCGTAATT TTGGAGTANG AGGTTCCCTC CTCAATTTT	
TAAAAAAAA AATTCACAAC AGTATATAAG GCTGTAAAA	AT GAAGAATTCT GCC 533
	on Alberta de Carlos de Carlos La Alberta de Carlos
(2) INFORMATION FOR SEQ ID NO:72:	
(1)	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 511 base pairs (B) TYPE: nucleic acid	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(C) STRANDEDNESS: Single (D) TOPOLOGY: linear	grant of the state of the state of the state of
(D) TOPOLOGY: Timear	
(ii) MOLECULE TYPE: cDNA	to the state of the state of the state of
(vi) ORIGINAL SOURCE:	
化环烷基 化二氯化甲基甲基苯酚 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	
(vi) SEQUENCE DESCRIPTION: SEQ ID NO: 7	12 :
The Control of the Control of the State of t	international de la companya del companya de la companya del companya de la companya del la companya de la comp
TATTACGGAA AAACACACCA CATAATTCAA CTANCAAAG	
AAATGAAAGG CTTCCAGGCA GTTATCTGAT TAAAGAACA	
AAGCCGCAGG ATGTCTACAC TATANCAGGC GCTATTTGC	
AAACATGGAN AGATTGGTGC TGGANATCGC CGTGGCTAT	
GAGGTTCTCT GTGTGCCCAC TGGTTTGAAA ACCGTTCTN	
CACATGAGAA CTGAAATGGC CCAAACCCAG AAAGAAAGC	
GCTTCTAGGG ACAATAACCG ATGAAGAAAA GATGGCCTC	
ATTTCTCTCC ATTGCAGCNA NAAACCCGTT CTTCTAAGC	
AAATACACCC CCTCTTGAAG NACCNGGAGG A	511
	en de la companya de Estado de la companya
(2) INFORMATION FOR SEQ ID NO:73:	
(i) approved an D. Chien I Chi.	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 499 base pairs	
(B) TYPE: nucleic acid	
(B) TIPE: NUCLEIC ACTU	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	· · · · · · · · · · · · · · · · · · ·
(ii) MOLECULE TYPE: cDNA ic it is to a	and the second with the
(vi) ORIGINAL SOURCE:	AND COLOR DESCRIPTION OF SERVICE
(A) CDGANTCM. Home gamions	
(wi) CROUDINGS DECOTOTION. CEO ID NO.	72.
CAGTGCCAGC ACTGGTGCCA GTACCAGTAC CAATAACAC	GT GCCAGTGCCA GTGCCAGCAC 60
CAGIGGIGGC IICAGIGCIG GIGCCAGCCI GACCGCCAG	CI CICACATITO GOCICITOGC 120
TGGCCTTGGT GGAGCTGGTG CCAGCACCAG TGGCAGCT	CT GGTGCCTGTG GTTTCTCCTA 180
CAAGTGAGAT TTTAGATATT GTTAATCCTG CCAGTCTT	TC TCTTCAAGCC AGGGTGCATC 240

CTCAGAAACC TACTCAACAC AGCACTCTAG GCAGCCACTA TCAATCAATT GAAGTTGACA	200
CICIGCALIA AATCTATTIG CCATTTCTGA AAAAAAAAAAAAAAAAAAAAAAAAAAA	300
ANTO INCHORE GUCCOTTIAN ACCOGCTONT CACCOTTOCAC TOTOCOTTOCAL ANTOCOTTOCAC	360
CAICIGITGI. TIGCCCCTCC. CCCGNTGCCT, TCCTTGACCC, TGCAAACTCC, CACTCCCA	420
	480 499
The state of the s	429
(2) INFORMATION FOR SEQ ID NO:74:	•
(1) DECOMME CHARACTERISTICS:	
(A) LENGTH: 537 base pairs	•
(-) nucleic acid	•
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(D) TOPOLOGY: linear	`-
AND MORE THAN I WAS A STATE OF THE PROPERTY OF	
(ii) MOLECULE TYPE: cDNA	•
(VI) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:	
TTTCATAGGA GAACACACTG AGGAGATACT TGAAGAATTT GGATTCAGCC GCGAAGAGAT	60
TITLE CAUCIT AMELICAGAIA AAATCATIGA AAGTAATAAC CTAAAAAACOTA CTOTTOTTOTTOTTOTTOTTOTTOTTOTTOTTOTTOTTOT	
TOUCH COUCICANGE GAATITGAAT ACTOMORA AND THE TOUCH AND THE	
TITLE AIGGMANCAL GGAGGAACAG TATTACACTO TOCTACON CON A TOTAL TO	240
GGCIIIIGAI TTATAANACT TTGGGTACTT ATACTAAATT ATCCTAATT	
TO THE TOTAL COLLEGE IN THE TAX TO A TOTAL COLLEGE TO THE TOTAL COLLEGE TO THE TAX TO TH	
TCTACAATGT AGAAAATGAA GGAAATGCCC CAAATTGTAT GGTGATAAAA GTCCCGT	37
137 THE OXIMATION FOR SEQ 1D NO. 75:	
(i) CROUNTED CHARLES TO STATE AND A STATE OF THE STATE OF	
(1) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 467 base pairs	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	٥.
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	
(VI) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	
(A) ORGANISM: HOMO sapiens	
(xi) SEQUENCE DESCRIPTION, SEC TO NO 75	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:75:	
CAAANACAAT TGTTCAAAAG ATGCAAATGA TACACTACTG CTGCAGCTCA CAAACACCTC	
ACGIACCICC ICCICCICCICCICCIC AND ACTIVATION ACCUSATION ACC	
COLOCIGICI GUITAGAAGA ACGGCCTTTTCT CCTCCXXXCC 20202222	
TGGCACAAGG AGGCCATCTT TTCCTCATCG CTTATTGTGG GTAGAAATCA TAACAGACGG 18	10
TGGCACAAGG AGGCCATCTT TTCCTCATCG GTTATTGTCC CTAGAAGCGT CTTCTGAGGA 24	0
TCTAGTTGGG CTTTCTTTCT GGGTTTGGGC CATTTCANTT CTCATGTGTG TACTATTCTA  30	0
TCATTATTGT ATAACGGTTT TCAAACCNGT GGGCACNCAG AGAACCTCAC TCTGTAATAA 36	O
TABLEACIST TABLEACIST TABLEACIST TABLE ACTION ACTION AND ACCORDANCE TO THE PROPERTY OF THE PRO	0
46 46 ACCOUNT COCHAIN GIGTAGAACA TCCCTGN	

(2)	INFORMATION FOR SEQ ID NO:76:	142	No. of the	•	
	(i) SEQUENCE CHARACTERISTICS:				•
				and the second s	
	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid				
	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	,			
•	(D) TOPOLOGY: linear	4.	•		
•	(b) loloboot.		· ·	20 1 7 1 7	· - 12 - 5 -
	(ii) MOLECULE TYPE: cDNA				
	(11) MOLECULE TIPE: CDNA		Same.	المحققة إلى المرا	
		٠.			
	(vi) ORIGINAL SOURCE:				
	(A) ORGANISM: Homo sapiens				
	1	7 7 5			
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO	):76:		ing and the second of the seco	
		1 5.			
AAG	CTGACAG CATTCGGGCC GAGATGTCTC GCTCCGT	rggc .	CTTAGCTGTG	CTCGCGCTAC	60
TO T	CTCTTTC TCCCCTGGAG GCTATCCAGC GTACTCC	CAAA	GATTCAGGTT	TACTCACGIC	3 120
. አጥር	TONGONGO GANTGGANAG TCANATTTCC TGANTT	<b>SCTA</b>	TGTGTCTGGG	TTTCATCCAT	L. 180
AIC	SACATTGA AGTTGACTTA CTGAAGAATG GAGAGAG	TAAE	TGAAAAAGTG	GAGCATTCA	3 240
CCG	TTGTCTTT CAGCAAGGAC TGGTCTTTCT ATCTCT	TTTA	CTACACTGAA	TTCACCCCC	A 300
ACI	HIGTOTTT CAGCAAGGAC IGGICTITCT ATCICT	דמאת	ጥጥርጥርልሮልር	CCCAAGATNO	360
CTG	GAAAAAGA TGAGTATGCC TGCCGTGTGA ACCATG	NOOTE	TITOTCHCIL		400
TTN	NAGTGGGA TCGANACATG TAAGCAGCAN CATGGG	AGG1		11 - 5 - 11 - 13 - 13 -	
		. *-			
(2)	INFORMATION FOR SEQ ID NO:77:		•	we care the pro-	e e gradina
	INFORMATION FOR SEQ 1D NO:77:			ranger in the second of the se	18564 15
;	(i) SEQUENCE CHARACTERISTICS:	7)			
2.5					
93.5					
•		_			•
	(44) NOT BOTT P OVDE . CDNA	٠.	51	The state of the s	
		. 5 3			1 TH-
• • •	( )) OFFERENT COUNCE.				artet (
<b>:</b> • .	(A) ORGANISM: Homo Sapiens		•		
	(A) ORGANISM: Homo Sapiens	100			
	TO THE WAY OF THE WAY				
	(xi) SEQUENCE DESCRIPTION: SEQ ID N	0:77	•	er en graji	
			3 mag 2 a a a mm		rr 60
CT	GGAGTGCC TTGGTGTTTC AAGCCCCTGC AGGAAG	CAGA	ATGCACCTTC	- maxamaama	.r 120
CC	AGCTGCCC CGGCGGGGGA TGCGAGGCTC GGAGCA	CCCT	TGCCCGGCT	G TGATTGCIG	A 180
CA	GGCACTGT TCATCTCAGC TTTTCTGTCC CTTTGC	TCCC	GGCAAGCGC'	T TCTGCTGAA	- 180
GT	TCATATCT GGAGCCTGAT GTCTTAACGA ATAAAG	GTCC	CATGCTCCA	C CCGAAAAAA	IA 240
	AAAAA			•	248
			4 . 4	3.2	•
12	) INFORMATION FOR SEQ ID NO:78:				
1 ( 2	•			POLICE PARTY	. *
	(i) SEQUENCE CHARACTERISTICS:	;		git in the Allier	
	(-) OA1 been maire				•
	(A) LENGTH: 201 base pairs (B) TYPE: nucleic acid			75 + 10 H	<u> </u>
	(B) TYPE: nucleic acid	•	•	•••	
	(-)				
	(C) STRANDEDNESS: SINGLE (D) TOPOLOGY: linear	•		taran da Artista. Taran da Artista	
	(ii) MOLECULE TYPE: CDNA				
		٠.	÷.		
			327	-	10 miles (10 miles)

(vi) ORIGINAL SOURCE:

. .

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:78: 1 MARCH AT A SECOND SECO

ACTAGTCCAG TGTGGTGGAA TTCCATTGTG TTGGGCCCAA CACAATGGCT ACCTTTAACA

TCACCCAGAC CCCGCCCTGC CCGTGCCCCA CGCTGCTGCT AACGACAGTA TGATGCTTAC

TCTGCTACTC GGAAACTATT TTTATGTAAT TAATGTATGC TTTCTTGTTT ATAAATGCCT

GATTTAAAAA AAAAAAAAA A

201

#### (2) INFORMATION FOR SEQ ID NO:79:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 552 base pairs
  - (B) TYPE: nucleic acid to a finite or a manufacture of the control of the control
  - (C) STRANDEDNESS: single
  - 1.6 (D) TOPOLOGY: plinear in the section of the
- (ii) MOLECULE: TYPE: CDNA( MONTH LANDERD AT THE ART OF CLASS ALLEY), -
- (vi) ORIGINAL: SOURCE: A TO BE SEEN OF THE COLD CONTROL OF T
  - \* (A) ORGANISM: Homo sapiens The confirmation of the first transfer of the confirmation of the confirmatio
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:79:

TCCTTTTGTT AGGTTTTTGA GACAACCCTA GACCTAAACT GTGTCACAGA CTTCTGAATG TTTAGGCAGT GCTAGTAATT TCCTCGTAAT GATTCTGTTA TTACTTTCCT ATTCTTTATT 120 CCTCTTTCTT CTGAAGATTA ATGAAGTTGA AAATTGAGGT@GGATAAATAC AAAAAGGTAG 180 TGTGATAGTA TAAGTATCTA AGTGCAGATG AAAGTGTGTT ATATATATCC ATTCAAAATT ATGCAAGTTA GTAATTACTC AGGGTTAACT AAATTAGTTT AATATGCTGT TGAACCTACT CTGTTCCTTG GCTAGAAAAA ATTATAAACA GGACTTTGTT~AGTTTGGGAA GCCAAATTGA TAATATTCTA TGTTCTAAAA GTTGGGCTAT ACATAAANTA TNAAGAAATA TGGAATTTTA 420 TTCCCAGGAA TATGGGGTTC ATTTATGAAT ANTACCCGGG ANAGAAGTTT TGANTNAAAC 480 CNGTTTTGGT TAATACGTTA ATATGTCCTN AATNAACAAG GCNTGACTTA TTTCCAAAAA 540 AAAAAAAA AA 552

570% ...

STORY TEACHER STATE OF THE STATE OF THE

A TORRING CONTRACTOR OF THE THE

#### (2) INFORMATION FOR SEQ ID NO:80:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 476 base pairs was a second . A the sweet of the
    - (B) pTYPE: nucleic acid with a property party of pro-
  - (C) STRANDEDNESS: Msingle Date Flore Control of the Control of the
  - (D) TOPOLOGY: linear to propose a second required to the second requirement.
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:80:

ACAGGGATTT	GAGATGCTAA	GGCCCCAGAG	ATCGTTTGAT	CCAACCCTCT	TATTTCAGA	60
GGGGAAAATG	GGGCCTAGAA	GTTACAGAGC	ATCTAGCTGG	TGCGCTGGCA	CCCCTGGCCT	120
CACACAGACT	CCCGAGTAGC	TGGGACTACA	GGCACACAGT	CACTGAAGCA	GGCCCTGTTT	180
GCAATTCACG	TTGCCACCTC	CAACTTAAAC	ATTCTTCATA	TGTGATGTCC	TTAGTCACTA	240
AGGTTAAACT	TTCCCACCCA	GAAAAGGCAA	СТТАСАТААА	ATCTTAGACT	ACTTTCATAC	300
			CITHOLIMA	AICIIAGAGI	ACTITICATAC	300

	CTAAGT CCTCTTCCAG CCTCACTTTG AGTCCTCCTT GGGGGTTGAT AGGAANTNTC 360
	GGCTTT CTCAATAAAA TCTCTATCCA TCTCATGTTT AATTTGGTAC GCNTAAAAAT 420
GCTG	GAAAAAA TTAAAATGTT CTGGTTTCNC TTTAAAAAAAA AAAAAAAAA AAAAAA 476
(2)	INFORMATION FOR SEQ ID NO:81:
	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 232 base pairs
	(B) TYPE: nucleic acid
	(C) STRANDEDNESS: single
	TOPOLOGY: linear Title 1 . The linear Title 1 . The linear Title 1 . The linear
	THE REPORT OF THE LEADING REPORTS WITH THE GOVERNMENT OF THE COMPANY OF THE COMPA
	(ii) MOLECULE TYPE: CDNA William 1
•	
	(vi) ORIGINAL SOURCE: A A A SECOND OF A SE
: .	(A) ORGANISM: Homo sapiens
•	(iii) Oldining Diplom
•	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:81:
	(XI) SEQUENCE DESCRIPTION. OLD ID NO. OI.
- TWINTER	PTTTTTG TATGCCNTCN CTGTGGNGTT ATTGTTGCTG CCACCCTGGA GGAGCCCAGT 60
	TTCTGTA TCTTTCTTTT CTGGGGGATC TTCCTGGCTC TGCCCCTCCA TTCCCAGCCT 120
	ATCCCCA TCTTGCACTT TTGCTAGGGT TGGAGGCGCT TTCCTGGTAG CCCCTCAGAG 180
	CAGTCAG CGGGAATAAG TCCTAGGGGT GGGGGGTGTG GCAAGCCGGC CT 232
ACIC	LAGICAG CGGGAATAAG TCCTAGGGGT GGGGGGTGTG GCAAGCCGGC CS 222
(2)	
(2)	INFORMATION FOR SEQ. ID NO:82:
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 383 base pairs
	(B) TYPE: nucleic acid
	(C) STRANDEDNESS: single
	(D) TOPOLOGY: linear Translated to the Control of t
. •	(ii) MOLECULE TYPE: CDNA and the broader of the control of the con
<b>~</b> ;	The property of the first of the first of the second of the first of t
1.1	(vi) ORIGINAL SOURCE: A SUMMER OF A SUMER OF A SUMMER OF A SUMER O
	(A) ORGANISM: Homo sapiens
r:	一个是什么的,我们是我们的成功,你是我就是有一次的的。""我们的一个人的一样的。"在他说道:"你是我想到了。"
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:82:
. *	
AGG	CGGGAGC AGAAGCTAAA GCCAAAGCCC AAGAAGAGTG GCAGTGCCAG CACTGGTGCC 60
	ACCAGTA CCAATAACAT GCCAGTGCCA GTGCCAGCAC CAGTGGTGGC TTCAGTGCTG 120
GTG	CCAGCCT GACCGCCACT CTCACATTTG GGCTCTTCGC TGGCCTTGGT GGAGCTGGTG 180
CCA	GCACCAG TGGCAGCTCT GGTGCCTGTG GTTTCTCCTA CAAGTGAGAT TTTAGATATT 240
GTT	AATCCTG CCAGTCTTC TCTTCAAGCC AGGGTGCATC CTCAGAAACC TACTCAACAC 300
	ACTOTNG GCAGCCACTA TCAATCAATT GAAGTTGACA CTCTGCATTA AATCTATTTG 360
CCA	TTTCAAA AAAAAAAAA AAA : 383
(2)	INFORMATION FOR SEQ ID NO:83:
. – .	

(i) SEQUENCE CHARACTERISTICS:

(D) TOPOLOGY: linear

(A) LENGTH: 494 base pairs

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(11) MOLECULE TYPE: CDNA	•		
	·		•
(vi) ORIGINAL SOURCE:			•
(A) ORGANISM: Homo sapiens	•		
•	* * * * * * * * * * * * * * * * * * * *		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	00.		
	03:		
ACCGAATTCC CACCCCTCCC TTATTAACACA TCATCTCC			*
ACCGAATTGG GACCGCTGGC TTATAAGCGA TCATGTCC	TC CAGTATTACC	TCAACGAGCA	. 6
GGGAGATCGA GTCTATACGC TGAAGAAATT TGACCCGA	TG GGACAACAGA	CCTGCTCAGC	12
CCATCCTGCT CGGTTCTCCC CAGATGACAA ATACTCTC	GA CACCGAATCA	CCATCAAGAA	18
ACGCTTCAAG GTGCTCATGA CCCAGCAACC GCGCCCTG	TC CTĆTGAGGGT	CCTTAAACTG	24
ATGTCTTTTC TGCCACCTGT TACCCCTCGG AGACTCCG	TA ACCAAACTCT	TCGGACTGTG	30
AGCCCTGATG CCTTTTTGCC AGCCATACTC TTTGGCNT	CC AGTCTCTCGT	CCCCATTTCAT	36
TATGCTTGTG TGAGGCAATC ATGGTGGCAT CACCCATN	AA GGGAACACAT	արդարարուն և Հարարարության և Հարարարության և հարարարության անությանն արարարության անությանն անության անության	420
TTTCNCATAT TTTAAATTAC NACCAGAATA NTTCAGAA	TA AATGAATTGA	ΔΔΔΔCTCTT7.	480
	1 1137 1522	APPACICITY.	
		•	494
(2) INFORMATION FOR SEQ ID NO:84:			-
Town one of the world.			
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 380 base pairs			• .:
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: single	The same of the same		
(D) TOPOLOGY: linear			
· · · · · · · · · · · · · · · · · · ·		ting the state of	
(ii) MOLECULE TYPE: cDNA	•		
	3527424 (3.55.55)	A SECTION ASSESSMENT	
(vi) ORIGINAL SOURCE: BELLEY	or the same of the same		
(A) ORGANISM: Homo sapiens	and the second com-		
	or leading the state of		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8	( <b>/</b>		
	·••		
GCTGGTAGCC TATGGCGTGG CCACGGANGG GCTCCTGAG	'C Chaaaanana		
AGTATCCTGC GCCGCGTCTT CTACCGTCCC TACCTGCAG	A CACGGGACAG	TGACTTCCCA	60
FAGGACATCG ACCTCCCCCT CATCCACCAC ACCAACTAC	A TCTTCGGGCA	GATTCCCCAG	120
GAGGACATGG ACGTGGCCCT CATGGAGCAC AGCAACTGC	T CGTCGGAGCC	CGGCTTCTGG	180
GCACACCCTC CTGGGGCCCA GGCGGGCACC TGCGTCTCC	C AGTATGCCAA	CTGGCTGGTG	240
STGCTGCTCC TCGTCATCTT CCTGCTCGTG GCCAACATC	C TGCTGGTCAC	TTGCTCATTG	300
CCATGTTCAG TTACACATTC GGCAAAGTAC AGGGCAACA	G CNATCTCTAC	TGGGAAGGCC	360
AGCGTTNCCG CCTCATCCGG			380
	, Avient No. 1, pt. 1	电子动物 医外侧性小腿	
(2) INFORMATION FOR SEQ ID NO:85:		and the second of the second	
表现一个相对,这个特别的人或是一种认为,他们还是没有强致了情况		y and the second	•••
(i) SEQUENCE CHARACTERISTICS:	on notae en en	The state of the s	
(A) LENGTH: 481 base pairs	ing the state of the second	in the second of the second	
(B) TYPE: nucleic acid		in the second of	
(C) STRANDEDNESS: single		STATE OF THE STATE	
(D) TOPOLOGY: linear	• • •	·	
(ii) MOLEGUER THERE	· · · · · · · · · · · · · · · · · · ·		
(ii) MOLECULE TYPE: cDNA			
	$\mathbf{z} = \nabla z_1 + z_2 + \nabla z_1 + z_2$		
(vi) ORIGINAL SOURCE:			
(A) ORGANISM: Homo saniens			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:

GAGTTAGCTC CTCCACAACC TTGATGAGGT CGTCTGCAGT	GGCCTCTCGC	TTCATACCGC	60
TNCCATCGTC ATACTGTAGG TTTGCCACCA CCTCCTGCAT	CTTGGGGCGG	CTAATATCCA	120
GGAAACTCTC AATCAAGTCA CCGTCNATNA AACCTGTGGC	ጥሬርጥተርጥርጥር	TTCCGCTCGG	180
TGTGAAAGGA TCTCCAGAAG GAGTGCTCGA TCTTCCCCAC	ACTITITGATG	ACTTTATTGA	240
GTCGATTCTG CATGTCCAGC AGGAGGTTGT ACCAGCTCTC	TGACAGTGAG	GTCACCAGCC	300
CTATCATGCC NTTGAACGTG CCGAAGAACA CCGAGCCTTG	TOACAGIGAG	CHACTCTCAC	360
CTATCATGCC NTIGAACGTG CCGAGGACA CCGAGCCTTG	-IGIGGGGGI	COACONNOA :	
CCAGATTCTG CATTACCAGA NAGCCGTGGC AAAAGANATT	TO THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE TO	CCAGGINIGAA	480
AAAGAACACC TCCTGGAAGT GCTNGCCGCT CCTCGTCCNT	TGGTGGNNGC	GCNINCCIII	481
T			401
(2) INFORMATION FOR SEQ ID NO:86:	and the second		
(2) INFORMATION FOR SEQ 1D NO. 00.			
(i) SEQUENCE CHARACTERISTICS:		7-	* * * * * * * * * * * * * * * * * * * *
(A) LENGTH: 472 base pairs			
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: single	18 18 18 18 18 18 18 18 18 18 18 18 18 1		
(n) monor ody, limony			-
	Carlos Carlos		
(ii) MOLECULE TYPE: cDNA			•
(4) かいこうしょう こうしょう (点) おしょう (ない) かいき (手) こうきゅう しょうりょう			
(vi) ORIGINAL SOURCE:			
(A) ORGANISM: Homo sapiens	2017/2016	Lit 17 1/2	12
(A) ORGANISM: Homo Suprems	1004 - 1 - 10004	tar apolice of	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:86	PARET IN		
(XI) DEGORACE DESCRIPTION DEG LE LIVE	Section 1980		
AACATCTTCC TGTATAATGC TGTGTAATAT CGATCCGATN	TTGTCTGCTG	AGAATTCATT	60
ACTTGGAAAA GCAACTTNAA GCCTGGACAC TGGTATTAAA	ATTCACAATA	TGCAACACTT	120
TAAACAGTGT GTCAATCTGC TCCCTTACTT TGTCATCACC	AGTCTGGGAA	TAAGGGTATG	180
CCCTATTCAC ACCTGTTAAA AGGGCGCTAA GCATTTTTGA	TTCAACATCT	TTTTTTTGA	240
CACAAGTCCG AAAAAAGCAA AAGTAAACAG TTNT'AATTT	GTTAGCCAAT	TCACTTTCTT	300
CATGGGACAG AGCCATTTGA TTTAAAAAGC AAATTGCATA	ATATTGAGCT	TTGGGAGCTG	360
ATATNTGAGC GGAAGANTAG CCTTTCTACT TCACCAGACA	CAACTCCTTT	CATATIGGGA	420
TGTTNACNAA AGTTATGTCT CTTACAGATG GGATGCTTTT	GTGGCAATTC	TG	472
(2) INFORMATION FOR SEQ ID NO:87:	The street and		
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 413 base pairs		, 1	
(B) TYPE: nucleic acid			
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	:	•	
(D) TOPOLOGY: linear			
(ii) MOLECULE TYPE: CDNA			
(vi) ORIGINAL SOURCE:		-	
/ 1) and my on programment, CRO ID NO. 97	7		
AGAAACCAGT ATCTCTNAAA ACAACCTCTC ATACCTTGTC	GACCTAATTT	TGTGTGCGTG	60
AGAAACCAGT ATCTCTNAAA ACAACCTCTC ATACCTTGTC	GACCTAATTT	TGTGTGCGTG	60
TGTGTGTGCG CGCATATTAT ATAGACAGGC ACATCTTTTT	GACCTAATTT TACTTTTGTA	TGTGTGCGTG AAAGCTTATG	60
TGTGTGTGCG CGCATATTAT ATAGACAGGC ACATCTTTTTCCCTCTTTGGT ATCTATATCT GTGAAAGTTT TAATGATCTC	GACCTAATTT TACTTTTGTA CCATAATGTC	TGTGTGCGTG AAAGCTTATG TTGGGGACCT	60 120
TGTGTGTGCG CGCATATTAT ATAGACAGGC ACATCTTTTTCCCTCTTTTGGT ATCTATATCT GTGAAAGTTT TAATGATCTCTTGTCTTCTG TGTAAATGGT ACTAGAGAAA ACACCTATNT	G GACCTAATTT T TACTTTTGTA G CCATAATGTC T TATGAGTCAA	TGTGTGCGTG AAAGCTTATG TTGGGGACCT TCTAGTTNGT	60 120 180
TGTGTGTGCG CGCATATTAT ATAGACAGGC ACATCTTTTTCCCTCTTTGGT ATCTATATCT GTGAAAGTTT TAATGATCTC	G GACCTAATTT T TACTTTTGTA G CCATAATGTC T TATGAGTCAA A CAAACTCTCC	TGTGTGCGTG AAAGCTTATG TTGGGGACCT TCTAGTTNGT CTTGACTAGG	60 120 180 240 300

ACAGAAATTG GGTNGTATAT TGAAANANNG CATCATTNAA ACGTTTTTTT TTT	<b>413</b>
the state of the s	
(2) INFORMATION FOR SEQ. ID NO: 88:	•
・ アン・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 448 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: SINGLE	; .
(D) TOPOLOGY: linear	1
(ii) MOLECULE TYPE: CDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:88:	
the contract of the contract o	
CGCAGCGGGT CCTCTCTATC TAGCTCCAGC CTCTCGCCTG CCCCACTCCCCC	60
GICCIAGCON ACCATGGCCG GGCCCCTGCG CGCCCCGCTG CTCCTGCTGC CCATGCTCCC	120
CGIGGCCCIG GCCGIGAGCC CCGCGGCCGG CTCCAGTCCC GGCAAGCCGC CGCGCCTCCT	180
GGGAGGCCCA TGGACCCCGC GTGGAAGAAG AAGGTGTGCG GCGTGCACTG GACTTTTCCCC	240
ICGCNANTA CAACAAACCC GCAACNACTT TTACCNAGCN CGCGCTGCAG GTTGTGCCGC	300
CCCAANCAAA TIGTTACTNG GGGTAANTAA TTCTTGGAAG TTGAACCTGG GCCAAACANG	360
TITACCAGAA CCNAGCCAAT TNGAACAATT NCCCCTCCAT AACAGCCCCT TTTAAAAAGG	420
GAANCANTUU TTANTUTTUU CAAAATIITII	420 448
The state of the s	
(2) INFORMATION FOR SEQ ID NO:89:	ne. Ten
プログラン とうしょう しゅうしゅう アンスター・フィー・ストライス はんしょう かんりょう はんしょう はんしょう はんしょう はんしょく はんしん はんしょく はんしょく はんしょく はんしょく はんしょく はんしん はんしんしん はんしんしん はんしん はんしん はんしんしん はんしん はんしんしん はんしん はんしんしん はんしんしんしんし	
(*) ODGODNED CHARACTERISTICS:	
(**, DINOTH, 403 Dase pairs	
(C) SIRAMDEDNESS: SINGLE	
(D) TOPOLOGY: linear	
	• •
(ii) MOLECULE TYPE: CDNA	4
	• .
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:89:	
and the control of th	
GAATTITGTG CACTGGCCAC TGTGATGGAA CCATTGGGCC AGGATGCTTT GAGTTTATCA	60
GIAGIGATIC TGCCAAAGTT GGTGTTGTAA CATGAGTATG TAAAATGTCA AAAATGTCA	
AGAGGTCTAG GTCTGCATAT CAGCAGACAG TTTGTCCGTG TATTTTGTAG CCTTGAAGTT	9.0
CICAGIGACA AGTINNITCI GAIGCGAAGI ICINATICCA GIGITTIFAGI CCITTIGCAIC	.60
IIIAACAAA TACAANNACT TCTCTCCTCTTNI CARRAN COMMON NON	00
AATTCTCTCC CCATANNAAA ACCCANGCCC TTGGGANAAT TTGAAAAAAG GNTCCTTCNN	60
MILLUNNANA ANTTO ACINON TRATARARA AN ANTARAS AREA	
	63
(2) INFORMATION FOR SEQ ID NO:90:	-
(i) SEQUENCE CHARACTERISTICS:	٠-,
(A) TENTOMIT AGO I	• •
(B) TYPE: nucleic acid	• .
(-) TITE MUCIETO ACIU	

	•
(C) STRANDEDNESS: single .	
(ii) MOLECULE TYPE: cDNA	* - 1. T
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:90:	
	60
AGGGATTGAA GGTCTNTTNT ACTGTCGGAC TGTTCANCCA CCAACTCTAC AAGTTGCTGT	120
CTTCCACTCA CTGTCTGTAA GCNTNTTAAC CCAGACTGTA TCTTCATAAA TAGAACAAAT TCTTCACCAG TCACATCTTC TAGGACCTTT TTGGATTCAG TTAGTATAAG CTCTTCCACT	180
TCTTCACCAG TCACATCTTC TAGGACCTTT TTGGATTCAG TTAGTATAAG CTCTTCCACT TCCTTTGTTA AGACTTCATC TGGTAAAGTC TTAAGTTTTG TAGAAAGGAA TTTAATTGCT	240
CGTTCTCTAA CAATGTCCTC TCCTTGAAGT ATTTGGCTGA ACAACCCACC TNAAGTCCCT	300
TTGTGCATCC ATTTTAAATA TACTTAATAG GGCATTGGTN CACTAGGTTA AATTCTGCAA	360
GAGTCATCTG TCTGCAAAAG TTGCGTTAGT ATATCTGCCA	400
SACTORIES TO TO THE SACTORIES OF THE SAC	
(2) INFORMATION FOR SEQ ID NO:91:	. :.
	**
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 480 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single and repair to the first the state of the stat	
(D) TOPOLOGY: linear	
exelored the property of the p	
(ii) MOLECULE TYPE: cDNA	
The state of the s	
(vi) ORIGINAL SOURCE: (A) CONTROL OF THE CONTROL OF T	
	1.7.7
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:91:	
	150 Line
GAGCTCGGAT CCAATAATCT TTGTCTGAGG GCAGCACACA TATNCAGTGC CATGGNAACT	6
GGTCTACCCC ACATGGGAGC AGCATGCCGT AGNTATATAA GGTCATTCCC TGAGTCAGAC	12
ATGCCTCTTT GACTACCGTG TGCCAGTGCT GGTGATTCTC ACACACCTCC NNCCGCTCTT	18
TGTGGAAAAA CTGGCACTTG NCTGGAACTA GCAAGACATC ACTTACAAAT TCACCCACGA	24
GACACTTGAA AGGTGTAACA AAGCGACTCT TGCATTGCTT TTTGTCCCTC CGGCACCAGT	30
TGTCAATACT AACCCGCTGG TTTGCCTCCA TCACATTTGT GATCTGTAGC TCTGGATACA	36
TCTCCTGACA GTACTGAAGA ACTTCTTCTT TTGTTTCAAA AGCAACTCTT GGTGCCTGTT	42

#### (2) INFORMATION FOR SEQ ID NO:92:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 477 base pairs

NGATCAGGTT CCCATTTCCC AGTCCGAATG TTCACATGGC ATATNTTACT TCCCACAAAA

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
  (vi) ORIGINAL SOURCE:
- - (A) ORGANISM: Homo sapiens

그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:92:
AMAGAGGGA YAMGGGAGGA GGAAGAMGGG GWWGWWGAGW GAAAA GAAAA AA
ATACAGCCCA NATCCCACCA CGAAGATGCG CTTGTTGACT GAGAACCTGA TGCGGTCACT 60 GGTCCCGCTG TAGCCCCAGC GACTCTCCAC CTGCTGGAAG CGGTTGATGC TGCACTCCTT 120
TAANTGCAGG AAGAGGCTGA CCACCTCGCG GTCCACCAGG ATGCCCGACT GTGCGGGACC 240
TGCAGCGAAA CTCCTCGATG GTCATGAGCG GGAAGCGAAT GANGCCCAGG GCCTTGCCCA 300
GAACCTTCCG CCTGTTCTCT GGCGTCACCT GCAGCTGGTG CCGCTNACACTTCGGCCTCGG 360
ACCAGCGGAC AAACGGCGTT GAACAGCCGC ACCTCACGGA TGCCCCANTGT GTCGCGCTCC 420
- AGGAACGCN ICCAGCGTGTC CAGGTCAATG TCGGTGAANC GTCCGCGGGTFAATGGCG 146-6 to 144.77 to 15 to
(2) INFORMATION FOR SEQ ID NO. 93: 10 1987 1 1980 1 2087 1 400 1 4
I I A A SECURE OF BURNESS OF DEPOCASE OF DESCRIPTION AND A STORESTED AND A SECURED AS A SECURED
(i) SEQUENCE CHARACTERISTICS POR VEYOUR SECOND FACTOR FAAR A LIGHT OF
(1) SEQUENCE CHARACTERISTICS: See The detail of the Control of the
(B) TYPE: nucleic acid with the first of the
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(D) TOPOLOGI: Tilledi
(ii) MOLECULE TYPE: CDNA
(vi) ORIGINAL SOURCE:
(A) ORGANISM: Homo sapiens
(A) ORGANISM: HOMO SAPIERS
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:93:
And the supplemental process of the second o
GAACGCTGG ACCTTGCCTC GCATTGTGCT GCTGGCAGGA ATACCTTGGC AAGCAGCTCC 60
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120
CGCCTCAATG CAGAACCANT AGTGGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180
TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240
CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300
AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360
ATAAATATA TATTAAA TOTOLOGOOD ON TEOGRADISEED ON TOTOLOGOOD SEED SEED 377
and the state of t
(2) INFORMATION FOR SEQ ID NO: 94: Williams of the last of the las
The control of the co
(i) SEQUENCE CHARACTERISTICS AND CONTROL OF A CONTROL OF AND CONTROL OF A CONTROL O
(A) LENGTH: 495 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single (C) CONTRACTOR (C) CONTRAC
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: cDNA
(vi) ORIGINAL SOURCE:
(A) ORGANISM: Homo sapiens
and the state of the
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:
CCCTTTGAGG GGTTAGGGTC CAGTTCCCAG TGGAAGAAAC AGGCCAGGAG AANTGCGTGC 60
CGAGCTGANG CAGATTTCCC ACAGTGACCC CAGAGCCCTG GGCTATAGTC TCTGACCCCT 120
CCAAGGAAAG ACCACCTTCT GGGGACATGG GCTGGAGGGC AGGACCTAGA GGCACCAAGG 180
GAAGGCCCCA TTCCGGGGCT GTTCCCCGAG GAGGAAGGGA AGGGGCTCTGFTGTGCCCCCC 240
ACGAGGAANA GGCCCTGANT CCTGGGATCA NACACCCCTT CACGTGTATC CCCACACAAA 300

TGCAAGCTCA CCAAGGTCCC CTCTCAGTCC CTTCCCTACA	CCCTGAACGG	NCACTGGCCC	360
ACACCCACCC AGANCANCCA CCCGCCATGG GGAATGTNCT	CAAGGAATCG	CNGGGCAACG	420
TGGACTCTNG TCCCNNAAGG GGGCAGAATC TCCAATAGAN			480
AAAAAAAAA AAAAA			495
AAAAAAANA AAAAA	-		433
			٠.
(2) INFORMATION FOR SEQ ID NO:95:	•		• •
*.*			
(i) SEQUENCE CHARACTERISTICS:		•	
(A) LENGTH: 472 base pairs	A 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
(B) TYPE: nucleic acid	3-18-14 - 23-1	Contract to	
(C) STRANDEDNESS: single			*,
(D) TOPOLOGY: linear (C)	· · · · · · · · · · · · · · · · · · ·		
(D) TOPOLOGI: IIIleal			
(ii) MOLECULE TYPE: CDNA CONTROL OF THE			
TO THE PROPERTY OF A PROPERTY OF THE PROPERTY	n industry and	والمراجعة المراجعة	
(vi) ORIGINAL SOURCE:		The section of the	
(A) ORGANISM: Homo sapiens			
The state of the s	The State of the second	4	1,1
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:95:			
engline og en taggi giver gittak tilbak svett av et na en en		And the second	1,
GGTTACTTGG TTTCATTGCC ACCACTTAGT GGATGTCATT			
CCTCTGGAAG CCTTGCGCAG AGCGGACTTT GTAATTGTTG			120
TAGCTGTTTT GAGTTGATTC GCACCACTGC ACCACAACTC			
TATTTATTAT CTTGTGAAAA GTATACAATG AAAATTTTGT			240
ATGATGAAAA GCAATAGATA TATATTCTTT TATTATGTTN			300
ATCGGCAAAA TGTGGAGTGT ATGTTCTTTT CACAGTAATA			360
TTGGTTATTT TATTGTAAAT GAATTACAAA ATTCTTAATT	TAAGAAAATG:	GTANGTTATA	420
TTTANTTCAN TAATTTCTTT CCTTGTTTAC GTTAATTTTG	AAAAGAATGC	AT ( )	472
	roger (d. edica)		
(2) INFORMATION FOR SEQ ID NO:96:	-		
(i) SEQUENCE CHARACTERISTICS:			· · · · ·
(A) LENGTH: 476 base pairs		a grand	
·			
(C) STRANDEDNESS: single		,, -	
(D) TOPOLOGY: linear cut of CONTROL			
(ii) MOLECULE TYPE: CDNA TO MALE FOR A PORTION OF A PORTI	Y.,		• • • • • • • • • • • • • • • • • • • •
្សា ខណ្ឌ ( ) ប្រជាព្រះប្រជាព្រះបានស្រាស់ ស្រាស់ ស្រ			
(vi) ORIGINAL SOURCE: TO A WAY A MARK A GO		e de la companya de l	-
(A) ORGANISM: Homo sapiens 30% 1 4	A		
- Community (Manager Artistant) (Manager Artistant) (Manager Artistant) (Manager Artistant) (Manager Artistant)		Commence of the second	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:96:			
The state of the s			
CTGAAGCATT TCTTCAAACT TNTCTACTTT TGTCATTGAT			. 60
GTGGTGAAAT TTCAAAATTA TATGTAACTT CTACTAGTTT			120
TTTTAACTCA TGATTTTTAC ACACACAATC CAGAACTTAT			
ATTCTTCACA GTAGATGATG AAAGAGTCCT CCAGTGTCTT			240
AGCTGGATAC ATACNGTGGG AGTTCTATAA ACTCATACCT			300
TGTGTTAGTC TCAATTCCTA CCACACTGAG GGAGCCTCCC	AAATCACTAT	ATTCTTATCT	360
GCAGGTACTC CTCCAGAAAA ACNGACAGGG CAGGCTTGCA	TGAAAAAGTN	ACATCTGCGT	420
TACAAAGTCT ATCTTCCTCA NANGTCTGTN AAGGAACAAT			476

(2) INFORMATION FOR SEQ ID NO:97:

	S:
(A) LENGTH: 479 base p	airs le de labour de de la light de la
(B) TYPE: nucleic acid	of the trace of the rate of the residence
(C) CODANDODADO -:	•
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	the Court of the State of the S
(11) MODECULE TIPE: CDNA	
(vi) ORIGINAL SOURCE:	Same and the Same of the Control of
(A) ORGANISM: Homo sap	iens in the state of the state of the
•	SOFER SOMETHING OF THE CONTRACTOR
(xi) SEQUENCE DESCRIPTION: ST	EQ ID NO:97% TOTAL TERROR TOTAL
The second secon	1Q 1D NO:57: 3 (1 13 (3) (2) (1)
ACTCTTTCTA ATCCTCATATA CATCTTCATA	
AND ADDOC COLLEGE TO THE PROPERTY OF THE PROPE	ATAAGAATGC ATATGTCACT AGAATGGATA 6
HARIAATGCT GCAAACTTAA TGTTCTTATG	CAAAATGGAA CGCTAATGAA ACACAGCTTA 120
CAATCGCAAA TCAAAACTCA CAAGTGCTCA	TCTGTTGTAG ATTTACTCTA ATTACACTORS
GALLGIGCIC CITCGGATAT GATTGTTTCT	CANATCTTGG GCAATNTTCC TTACTCAAA
CAGGCTACTA GAATTCTGTT ATTGGATATN	TGAGAGCATC AAATTTTTTAA MAATTAGAGAGTT
GTGATTATNA AATTAATCAC AAATTTCACT:	TATACOMO - 1
NTNNTITTTA NATCAAAGTA TTTTGTGTTTT	GGAANTGTNN AAATGAAATC TGAATGTGGG 420
TTCNATCTTA TTTTTTCCCAL CACATACTTANT	THE TITTE A GGGNCTATTC TGANCCATC 47
17 GACNACIANI	INCITITITA GGGNCTATTC TGANCCATC 473
(2) INFORMATION TOP CONT.	PUTER A GGGNCIATTE TGANCCATE OF A 10 475
(1) THE OWNERS TON FOR SECTION MO: ARE	and with the property of the p
T COMPANY OF STREET	THERE INVESTED TO BE STOLEN TO SEE
(1) SEQUENCE CHARACTERISTICS	PRATRATE FUNDING NAME OF A PROPERTY OF A SECOND OF A
- (A) LENGTH: 461 base pa	<b>正常的</b> ののとではできたみずってはないというがっていた。
(B) TYPE: nucleic acid	FOLDWED 7.14 MORES - STATE STATE SALES AND SALES
(C) STRANDEDNESS: singl	etaleste taluspris. I totoral al la la lacte
(D) TOPOLOGY: linear	ాడ్ కార్స్ కోట్లు కారం కార్డ్ కోంద్రం కోట్లు కోట్లు కోట్లు కోట్లు కోట్లు కోట్లు కోట్లు కోట్లుకోవుకోవు. కో
to the state of th	
(ii) MOLECULE TYPE: cDNA	
(11) MODECOLE TIPE: CDNA	
(1)	alle "New York of the stages of the
(vi) ORIGINAL SOURCE:	talled as factors from the
(A) ORGANISM: Homo sapie	ens in the second of the secon
	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
(xi) SEQUENCE DESCRIPTION: SEC	Q ID NO:98:
AGTGACTTGT CCTCCAACAA AACCCCTTGA T	CAAGTTTGT GGCACTGACA ATCAGACCTA 60
TGCTAGTTCC TGTCATCTAT TCGCTACTAA A	CAAGIIIGI GGCACTGACA ATCAGACCTA 60
CCAACTACOOR TERRESON DATTCAACT	TIGCAGACIG GAGGGGACCA AAAAGGGGGCA 120
ACTGATTCAC CIGGATTATT TIGGAGCCTG (	PARATCTATT CCTACTTGTA CGGACTTTGA 180
CONGCORGE GEORGE CONTRACTOR CONTR	TGGCTCAAG AATATCCICA TGCAGCTTTA 240
GAAGCCACT CTGAACACGC TGGTTATCTA G	ATGAGAACA GAGAAATAAA GTCACAAAAT 300
TACCIGGAG AAAAGAGGCT TTGGCTGGGG A	CCATCCCAT TGAACCTTCT CTTAACCACT 3.66
TAAGAAAAA CTACCACATG TTGTGTATCC T	GGTGCCGC CCTTTATCAA CTCAACAACA
TTGGAATAA TCTTGACGGT CCTGAACTTG C	TCCTCTGCG A 420
Carlotter in the contract of t	- 10 10 10 10 10 10 10 10 10 10 10 10 10
2) INFORMATION FOR THE NO CO.	的第三人称形式 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.1
The state of the s	
(i) SEQUENCE CHAPACEUR CONTRACT	a A 10 Tarastrum a Laborato de Estados.
(1) SEQUENCE CHARACTERISTICS:	
ter = migration base par.	LS
(2) IIII. nacieic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
IIneal	
(ii) MOLECULE TYPE: cDNA	
(**) MODECODE TIPE: CDNA	

(vi) ORIGINAL SOU (A) ORGANIS	RCE: M: Homo sapiens	
(xi) SEQUENCE DES	SCRIPTION: SEQ ID NO:99:	•
CGGCGCCTCT GCGGGCCCGA CGGTGAGAAA AGCCTTCTCT	CCTCGTACCG CAGGGCCCCC TCCCTTCCCC AGGCGTCCCT A GGAGGAGCGG CTGGCGGGTG GGGGGAGTGT GACCCACCCT F AGCGATCTGA GAGGCGTGCC TTGGGGGTAC C	60 120 171
(2) INFORMATION FOR S	SEQ ID NO:100:	
(A) LENGTH: (B) TYPE: n (C) STRANDE (D) TOPOLOG (ii) MOLECULE TYPE	ARACTERISTICS: : 269 base pairs nucleic acid EDNESS: single GY: linear PE: cDNA URCE: SM: Homo sapiens	54.1.25 57
•	SCRIPTION: SEQ ID NO:100:	
CGACTGCGAC GACGGCGGCC		60 120 180 240 269
(2) INFORMATION FOR S		•
(B) TYPE: 1 (C) STRAND (D) TOPOLOG	nucleic acid DEDNESS: single DGY: linear	
(ii) MOLECULE TY	PE: cDNA	
(vi) ORIGINAL SO (A) ORGANI	OURCE: ISM: Homo sapiens	erio († 1919) 1931 - Gregoria († 1919) 1943 - Gregoria († 1919)
1900年 -		
GCTAGCAAGG TAACAGGGT TTGATTGGTT TGTCTTTAT AGTGGGTGCA CCCTCCCTG TGACCGTCAT TTTCTTGAC	TO TACTGCGAGC ACAGCAGGTC AGCAACAAGT TTATTTIGCA TA GGGCATGGTT ACATGTTCAG GTCAACTTCC TTTGTCGTGG TG GGGGCGGGGT GGGGTAGGGG AAACGAAGCA AATAACATGG GT AGAACCTGGT TACAAAGCTT GGGGCAGTTC ACCTGGTCTG CA TCAATGTTAT TAGAAGTCAG GATATCTTTT AGAGAGTCCA AG GGTTTCTTGC CAAATCCAAC AAAATCCACT GAAAAAGTTG	180 240 300

(2) INFORMATION FOR SEQ ID NO:102:

(i) SEQUENCE CHARACTERISTICS:	•
(A) LENGTH: 470 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
	· ·
(ii) MOLECULE TYPE: cDNA	
(11) MOLECULE TYPE: CDNA	DOMESTIC CONTRACTOR AND CONTRACTOR
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(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	THE SECOND SECURITY OF THE
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:102:	
	and the second of the second o
TTTTTTTTT TTTTTTTTTT TTTTTTTTTTTTTTTTT	արոլովովովորի վորդերարարականություն
GGCACTTAAT CCATTTTAT TTCAAAATGT CTACAAATTT AA	
TCAAAATCTA AATTATTCAA ATTAGCCAAA TCCTTACCAA AT	TECCENTA TACGGTATTT 120
ATATACTTCT TTCAGCAAAC TTGTTACATA AATTAAAAAA AT	
CAAAGTACAA TTATCTTAAC ACTCCAAACA TTTTTAACAA AC	ATATACGG CTGGTGTTTT 240
CAAAGTACAA TTATCTTAAC ACTGCAAACA TTTTAAGGAA CT	AAAATAAA AAAAAACACT 300
CCGCAAAGGT TAAAGGGAAC AACAAATTCT TTTACAACAC CA	TTATAAAA ATCATATCTC 360
AAATCTTAGG GGAATATATA CTTCACACGG GATCTTAACT TT	TACTCACT TTGTTTATTT 420
TTTTAAACCA TTGTTTGGGC CCAACACAAT GGAATCCCCC CT	GGACTAGT 470
(2) INFORMATION FOR SEQ ID NO:103:	
(1) SEQUENCE CHARACTERISTICS:	oli ateli e e i li se inventa i a cert
A, DENGIN: SOI Dase pairs	BOTH TO THE STATE OF THE STATE
(B) TYPE: nucleic acid many and the second many and the second many areas and the second many areas are a second many areas ar	الرموجو فالموالوة الوال الوال الماستين وتجود
(C) SIKANDEDNESS: SINGLE	The second secon
(D) TOPOLOGY: linear	Anna Carlos Carlos Carlos Carlos Alexandros Alexandros Alexandros Alexandros Alexandros Alexandros Alexandros Anna Carlos Carlos Carlos Carlos Carlos Carlos Alexandros Alexandr
	A CONTRACT OF THE STATE OF THE
(ii) MOLECULE TYPE: cDNA	The second second second
(vi) ORIGINAL SOURCE:	A Commence of the State of the Commence of the
(A) ORGANISM: Homo sapiens	attache in the english of the englis
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:103:	the contract of the state of the state of
(AL) SEQUENCE DESCRIPTION: SEQ ID NO:103:	
TTTTTTTTT TTTTTTTGA CCCCCCTCTT ATAAAAAACA AGT	FTACCATT TTATTTTACT 60
TACACATATT TATTTTATAA TTGGTATTAG ATATTCAAAA GGC	CAGCTTTT AAAATCAAAC 120
TAAATGGAAA CTGCCTTAGA TACATAATTC TTAGGAATTA GCT	TTAAAATC TGCCTAAAGT 180
GAAAATCTTC TCTAGCTCTT TTGACTGTAA ATTTTTGACT CTT	GTAAAAC ATCCAAATTC 240
ATTITITCTTG TCTTTAAAAT TATCTAATCT TTCCATTTTT TCC	CCTATTCC AAGTCAATTT 300
GCTTCTCTAG CCTCATTTCC TAGCTCTTAT CTACTATTAG TAI	AGTGGCTT TTTTCCTAAA 360
. AGGGAAAACA GGAAGAGAAA TGGCACACAA AACAAACATT TTA	ATATTCAT ATTTCTACCT 420
ACGTTAATAA AATAGCATTT TGTGAAGCCA GCTCAAAAGA AGC	CTTAGAT CCTTTTNAGET 400
CCATTTTAGT CACTAAACGA TATCAAAGTG CCAGAATGCA AAA	ACCUTTURE CANCAGEDAGE 540
TCAAAAGCTA ATATAAGATA TTTCACATAC TCATCTTTCT G	540
Trichenine thaterfile Ga	13-4-3 As 12-12-15 Page 15-15 581
(2) INFORMATION FOR SEQ ID NO:104:	Children Committee Control of the Control
ANT ORDINATION FOR BRU ID NO: 104:	eran i an her iyo haan iye i
	•
(i) SEQUENCE CHARACTERISTICS:	erritoritas en la percheción d

(A) LENGTH: 578 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: single

(D) TOPOLOGY: linear				
(ii) MOLECULE TYPE: cDNA			•	
	1 70%	Company of the same	in the time in	
(vi) ORIGINAL SOURCE:		•••		
(A) ORGANISM: Homo sapi	ens;	41.44.47 1 9		
(xi) SEQUENCE DESCRIPTION: SE	O TD NO 10			r i i
(X1) SEQUENCE DESCRIPTION: SE	O ID NO:104	BB Million (1992) Section (1997)	en e	Tallet and the second
TTTTTTTT TTTTTTTTTTTTTTTCTCTT	CTTTTTTTT	GAAATGAGGA	TCGAGTTTTT	60
CACTCTCTAG ATAGGGCATG AAGAAAACTC				
CTCTTATGCT ATATCATATT TTAAGTTAAA	CTAATGAGTC	ACTGGCTTAT	CTTCTCCTGA	180
AGGAAATCTG TTCATTCTTC TCATTCATAT				
GAGGTTTTTC TTCTCTATTT ACACATATAT				
TTCATGCAAA CTAGAAAATA ATGTTTCTTT				
CAAAACTGCT CAAATTGTTT GTTAAGTTAT				420
AAATCACATT TACGACAGCA ATAATAAAAC AAAGGAACAT TTTTAGCCTG GGTATAATTA				
TGAATTCACA TGTTATTATT CCTAGCCCAA				578
TGAATICACA IGITATIATI CCIAGCCCAA	CACAATGO			3,0
(2) INFORMATION FOR SEQ ID NO:105				
· · · · · · · · · · · · · · · · · · ·	*			
(i) SEQUENCE CHARACTERISTICS	S:	: ;		
(A) LENGTH: 538 base pa			•	
(B) TYPE: nucleic acid			way where he is the	•
(C) STRANDEDNESS: singl	Le land a c			
(D) TOPOLOGY: linear				
(ii) MOLECULE TYPE: cDNA	911 - 1 - Duni -	राक्षा करते हैं है है	2	
(11) MODECULE TIPE: CDNA	ern i i i i	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
(vi) ORIGINAL SOURCE:	n na sanakan dari baran dari bara Baran baran dari baran	111.2 MTT 2	The Control of the Co	12 .
(A) ORGANISM: Homo sapi	iens .	4 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the state of the M	100
		State Desired		• • • • • •
(xi) SEOUENCE DESCRIPTION: SE	EQ ID NO:10	5:	er of the grater of a 18th of	1.17
	The Street Care	And the Carlo	Contracts to Asia	
TTTTTTTTT TTTTTCAGTA ATAATCAGAA	CAATATTTAT	TTTTATATTT	AAAATTCATA	60
GAAAAGTGCC TTACATTTAA TAAAAGTTTG				
GTCTTGAACA CCAATATTAA TTTGAGGAAA AAGATCATAG AGCTTGTAAG TGAAAAGATA				
AAATCCACTA TTAGCAAATA AATTACTATG				
GGGGTGTCAC TGGTAAACCA ACACATTCTG				
TGTACTTTGC TAATACGTGG ATATGAGTTG				
GGCGAGAAAT GAGGAAGAAA AGAAAAGGAT	TACGCATACT	GTTCTTTCTA	TGGAAGGATT	480
AGATATGTTT CCTTTGCCAA TATTAAAAAA	ATAATAATGT	TTACTACTAG	TGAAACCC	. : .538
Commence of the second of the	17 - 12 - 27 - 64	April 10 Page 14	$(-1)^{n}$ $(-1)^{n}$	f
(2) INFORMATION FOR SEQ ID NO:106	<b>5:</b>			
TO BE THE STATE OF				d - 2 *** **
(i) SEQUENCE CHARACTERISTICS	S:			: ) .¥
(A) LENGTH: 473 base pa	airs 🚉 👑			
(B) TYPE: nucleic acid			en e	tan ta
(C) STRANDEDNESS: sing (D) TOPOLOGY: linear	re; · · · · · · ·			
(n) Inhoroga: Timesa		• • • • •		

(ii) MOLECULE TYPE: cDNA

(vi) ORIGINAL SOURCE:
 (A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:106:

TTTTTTTTT TTTT	TTAGTC AAGTTTCTAT 1	TTTATTATA ATTAAAGTCT	TGGTCATTTC	. 60
ATTTATTAGC TCTGC	CAACTT ACATATTTAA A	TTAAAGAAA CGTTTTAGAC	AACTGTACAA	120
		TATATTCCT CCAAGAGTGC		180
TCTCCCACCA ACTA	ATGAAC AGCAACATTA G	TTTAATTTT ATTAGTAGAT	ATACACTGCT	240
GCAAACGCTA ATTCT	FCTTCT CCATCCCGAT G	TGATATTGT GTATATGTGT	GAGTTGGTAG	300
AATGCATCAC/AATCT	TACAAT CAACAGCAAG A	TGAAGCTÁG GCTGGGCTTT	CGGTGAAAAT	. 360
AGACTGTGTC TGTCT	GAATC AAATGATCTG A	CCTATCCTC GGTGGCAAGA	ACTCTTCGAA	420
CCGCTTCCTC AAAGG	SCGCTG CCACATTTGT G	GCTCTTTGC ACTTGTTTCA	AAA C	473
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- (2) INFORMATION FOR SEQUID NOT 107 FOR THE COMPANY OF THE PROPERTY OF THE PROP
  - (i) SEQUENCE CHARACTERISTICS: \$5.00 (a) 1.40 (b) 5.00 (b)
    - (A) LENGTH: 1621 base pairs of Action 1
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA
  - (vi) ORIGINAL SOURCE:
    - (A) ORGANISM: Homo sapiens
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:107:

	•					· · ·
					CGGGCCCGTT	60
CTGTGCTATG	GTCCTGGCTG	ACTTCGGGGC	GCGTGTGGTA	CGCGTGGACC	GGCCCGGCTC	120
					ACCTGAAGCA	180
GCCGCGGGGA	GCCGCCGTGC	TGCGGCGTCT	GTGCAAGCGG	TCGGATGTGC	TGCTGGAGCC	240
CTTCCGCCGC	GGTGTCATGG	AGAAACTCCA	GCTGGGCCCA	GAGATTCTGC	AGCGGGAAAA	300
TCCAAGGCTT	ATTTATGCCA	GGCTGAGTGG	ATTTGGCCAG	TCAGGAAGCT	TCTGCCGGTT	360
AGCTGGCCAC	GATATCAACT	ATTTGGCTTT	GTCAGGTGTT	CTCTCAAAAA	TTGGCAGAAG	420
TGGTGAGAAT	CCGTATGCCC	CGCTGAATCT	CCTGGCTGAC	TTTGCTGGTG	GTGGCCTTAT	4'80
GTGTGCACTG	GGCATTATAA	TGGCTCTTTT	TGACCGCACA	CGCACTGACA	AGGGTCAGGT	540
CATTGATGCA	AATATGGTGG	AAGGAACAGC	ATATTTAAGT	TCTTTTCTGT	GGAAAACTCA	600
GAAATCGAGT	CTGTGGGAAG	CACCTCGAGG	ACAGAACATG	TTGGATGGTG	GAGCACCTTT	660
					TAGAACCCCA	720
GTTCTACGAG	CTGCTGATCA	AAGGACTTGG	ACTAAAGTCT	GATGAACTTC	CCAATCAGAT	780
GAGCATGGAT	GATTGGCCAG	AAATGAAGAA	GAAGTITGCA	GATGTATTTG	CAAAGAAGAC	840
GAAGGCAGAG	TGGTGTCAAA	TCTTTGACGG	CACAGATGCC	TGTGTGACTC	CGGTTCTGAC	900
TTTTGAGGAG	GTTGTTCATC	ATGATCACAA	CAAGGAACGG	GGCTCGTTTA	TCACCAGTGA	960
GGAGCAGGAC	GTGAGCCCCC	GCCCTGCACC	TCTGCTGTTA	AACACCCCAG	CCATCCCTTC	1020
	GATCCTTTCA					1080
CAGCCGCGAA	GAGATTTATC	AGCTTAACTC	AGATAAAATC	ATTGAAAGTA	ATAÄGGTAÄA	1140
AGCTAGTCTC	TAACTTCCAG	GCCCACGGCT	CAAGTGAATT	TGAATACTGC	ATTTACAGTG	1200
TAGAGTAACA	CATAACATTG	TATGCATGGA	AACATGGAGG	AACAGTATTA	CAGTGTCCTA	1260
	CAAGAAAAGA					1320
	ATTAGGGCTT					1380 -
AGTTATTCTG	CCTTCCAGTT	TGCTTGATAT	ATTTGTTGAT	ATTAAGATTC	TTGACTTATA	1440
TTTTGAATGG			ATATATTCTT			1500
ATTTACACTC	TTGATTCTAC					1560

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(2)	INFOR	(TAM	CON I	OR S	SEQ :	D NO	:108	3 :		•		•	٠.	. ,		••	•
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	(vi)						gani	iens	_			٠,		, :		÷	. ;
		(A)	OK.	35714 T r	J14. 1	.IO.IIO	sap.	LCIIS	٠	13.43		:		ί.			•
	(xi)	SEOU	JENCI	E DES	SCRI	PTIO	1: SI	EQ II	ON C	108	•	4				-	
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	Met	Ala	Leu	Gln	Gly	Ile	Ser	Val	Met	Glu	Leu	Ser	Gly	Leu	Ala	Pro	
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	Gly	Pro	Phe	_	Ala	Met	Val	Leu		Asp	Phe	Glÿ	Ala		Val	Val	
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	Arg	vaı	Asp 35	arg	PIO	GIY	ser				vaı :		45	è pen	GLY	ALG	
	Glv	Tws		Ser	Leu	Val	Leu	Asp							Ala	Ala	
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	Val	Leu	Arg	Arg	Leu	Cys	Lys	Arg	Ser	Asp	Val	Leu	Leu	Glu	Pro	Phe	
	65 .	1 12	,	3		70.	,#	$Y^{-1}(t)$	126.0	$\mathcal{I}_{\mathcal{A}_{k}} = \mathcal{I}_{k}$	-7.5 ±	1.		7		80	
<u>.</u> . ·	Arg	Arg	Gly	'Val	Met	Glu	Lys	Leu	Gln	Leu	Gly	Pro	Glu	Ile	Leu	Gln	
64	:		· · · -	•	85	6 T. J.			·	.90		• :		-1	95	<b>~</b> 3	
. š	Arg	Glu	Asn'	Pro	Arg	Leu	Tie	Tyr	Ala	Arg	Leu	Ser	GTA	Phe	GIY	GIN	
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7 :		GIY	ser	Pne	. Cys	Arg	Leu	120	GTA	UTR	Asp	116	125	171	пси	AIG	
· ,		Sar	GJ:0-	Val	Len	Ser	Lvs	Ile	Glv	Ara	Ser	Glv	Glu	Asn	Pro	Tvr	
2.7	Beu ;	.130	GLY	, '			135	., ., .	<u></u> -		-	140					
								Asp						Leu	Met	Cys	
								: 14					•	. 4.1			
								Leu					Arg	Thr	Asp	Lys	
25		T. T.		:	.165				1.	170					175		•
٠.,	Gly	Gln	Val	Ile	Asp	Ala	Asn	Met	Val	Glu	Gly	Thr	Ala	Tyr	Leu	Ser	
÷				180		. 5 5	• •	av.	185					190	_	_	'
٠.	Ser	Phe	Leu	Trp	Lys	Thr	Gln	Lys	Ser	Ser	Leu	Trp	GLu	Ala	Pro	Arg	
		/	1.95					200		9 J.			205	enti		A	
	GIA	GIn	Asn	Met	Leu	Asp	GIY	Cly	Ara	Pro	Pne	1.A.	THE	inr	ıyı	Arg	
:		210	<b>.</b>	:		Dha	215	. 77-	17-3	C144	 הוה	. T?o	. G3.1	Pro	Gla	Dhe	
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	Asn	Gln	Met	Ser	Met	Asn	Asp	Trp	Pro	Glu	Met	. Lys	Lys	Lys	Phe	Ala	i ar i
- (1)			•	:.260	. 1				265		- *		•	270	) • •		* .
. • .		Val	Phe	Ala	Lys	Lys	Thr	Lys	Ala	Glu	Trp	Cys	Gln	Ile	Phe	λsr	<b>)</b>
			275					280			•		285			-	

Gly Thr Asp Ala Cys Val Thr Pro Val Leu Thr Phe Glu Glu Val Val

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300 His His Asp His Asn Lys Glu Arg Gly Ser Phe Ile Thr Ser Glu Glu 305 310 315 320 Gln Asp Val Ser Pro Arg Pro Ala Pro Leu Leu Leu Asr Thr Pro Ala 330 Ile Pro Ser Phe Lys Arg Asp Pro Phe lle Gly Glu His Thr Glu Glu 340 .345: 3 ... ... ... ... 350/ Ile Leu Glu Glu Phe Gly Phe Ser Arg Glu Glu Ile Tyr Gln Leu Asn 355 360 365 Ser Asp Lys Ile Ile Glu Ser Asn Lys Val Lys Ala Ser Leu 375

## (2) INFORMATION FOR SEQ ID NO:109:

- (i) SEQUENCE CHARACTERISTICS: PROCESSION OF THE PROPERTY AND PROPERTY
  - (A) LENGTH: 1524 base pairs
  - (B) TYPE: nucleic acid ( ) Free C + 1 a At 30 Mag.
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:109:

Fig. 51 to Figure 1 and 1 and the make given and leaff the opposition of the GGCACGAGGC TGCGCCAGGG CCTGAGCGGA GGCGGGGGCA GCCTCGCCAG CGGGGGCCCC GGGCCTGGCC ATGCCTCACT GAGCCAGCGC CTGCGCCTCT ACCTCGCCGA CAGCTGGAAC 120 CAGTGCGACC TAGTGGCTCT CACCTGCTTC CTCCTGGGCG TGGGCTGCCG GCTGACCCCG 180 GGTTTGTACC ACCIGGGCCG CACTGTCCTC TGCATCGACT TCATGGTTTT CACGGTGCGG CTGCTTCACA TCTTCACGGT CAACAAACAG CTGGGGCCCA AGATCGTCAT CGTGAGCAAG ATGATGAAGG ACGTGTTCTT CTTCCTCTTC TICCTCGGCG TGTGGCTGGT AGCCTATGGC 360 GTGGCCACGG AGGGCTCCT GAGGCCACGG GACAGTGACT TCCCAAGTAT CCTGCGCCGC 420 GTCTTCTACC GTCCCTACCT GCAGATCTTC GGGCAGATTC CCCAGGAGGA CATGGACGTG GCCCTCATGG AGCACAGCAA CTGCTCGTCG GAGCCCGGCT TCTGGGCACA CCCTCCTGGG GCCCAGGCGG GCACCTGCGT CTCCCAGTAT GCCAACTGGC TGGTGGTGCT GCTCCTCGTC ATCTTCCTGC TCGTGGCCAA CATCCTGCTG GTCAACTTGC TCATTGCCAT GTTCAGTTAC 660 ACATTCGGCA AAGTACAGGG CAACAGCGAT CTCTACTGGA AGGCGCAGCG TTACCGCCTC ATCCGGGAAT TCCACTCTCG GCCCGCGCTG GCCCCGCCCT TTATCGTCAT CTCCCACTTG CGCCTCCTGC TCAGGCAATT GTGCAGGCGA CCCCGGAGCC CCCAGCCGTC CTCCCCGGCC 840 CTCGAGCATT TCCGGGTTTA CCTTTCTAAG GAAGCCGAGC GGAAGCTGCT AACGTGGGAA TCGGTGCATA AGGAGAACTT TCTGCTGGCA CGCGCTAGGG ACAAGCGGGA GAGCGACTCC GAGCGTCTGA AGCGCACGTC CCAGAAGGTG GACTTGGCAC TGAAACAGCT GGCACACATC 1020 CGCGAGTACG AACAGCGCCT GAAAGTGCTG GAGCGGGAGG TCCAGCAGTG TAGCCGCGTC CTGGGGTGGG TGGCCGAGGC CCTGAGCCGC TCTGCCTTGC TGCCCCCAGG TGGGCCGCCA CCCCCTGACC TGCCTGGGTC CAAAGACTGA GCCCTGCTGG CGGACTTCAA GGAGAAGCCC 1200 CCACAGGGGA TTTTGCTCCT AGAGTAAGGC TCATCTGGGC CTCGGCCCCC GCACCTGGTC GCCTTGTCCT TGAGGTGAGC CCCATGTCCA TCTGGGCCAC TGTCAGGACC ACCTTTGGGA 1320 GTGTCATCCT TACAAACCAC AGCATGCCCG GCTCCTCCCA GAACCAGTCC CAGCCTGGGA GGATCAAGGC CTGGATCCCG GGCCGTTATC CATCTGGAGG CTGCAGGGTC CTTGGGGTAA 1440 CAGGGACCAC AGACCCCTCA CCACTCACAG ATTCCTCACA CTGGGGAAAT AAAGCCATTT 1500 CAGAGGAAAA AAAAAAAAAA AAAA 

(2) INFORMATION FOR SEQ ID NO:110:

#### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 3410 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear BOLLING TO THE ALL A SECTION

## (ii) MOLECULE TYPE: CDNA The state of the s

# (vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens augusta oun o one out the to

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:110:

Mark 2002 22 to 1 Mark to the Control of the Contro GGGAACCAGC CTGCACGCGC TGGCTCCGGG TGACAGCCGC GCGCCTCGGC CAGGATCTGA 60 GTGATGAGAC GTGTCCCCAC TGAGGTGCCC CACAGCAGCA GGTGTTGAGC ATGGGCTGAG 120 AAGCTGGACC GGCACCAAAG GGCTGGCAGA AATGGGCGCC TGGCTGATTC CTAGGCAGTT 180 GGCGGCAGCA AGGAGGAGAG GCCGCAGCTT CTGGAGCAGA GCCGAGACGA AGCAGTTCTG 240 GAGTGCCTGA ACGGCCCCCT GAGCCCTACC CGCCTGGCCC ACTATGGTCC AGAGGCTGTG 300 GGTGAGCCGC CTGCTGCGGC ACCGGAAAGC CCAGCTCTTG CTGGTCAACC TGCTAACCTT 360 TGGCCTGGAG GTGTGTTTGG CCGCAGGCAT CACCTATGTG CCGCCTCTGC TGCTGGAAGT 420 GGGGGTAGAG GAGAAGTTCA TGACCATGGT GCTGGGCATT GGTCCAGTGC TGGGCCTGGT 480 CTGTGTCCCG CTCCTAGGCT CAGCCAGTGA CCACTGGCGT GGACGCTATG GCCGCCGCCG 540 GCCCTTCATC TGGGCACTGT CCTTGGGCAT CCTGCTGAGC CTCTTTCTCA TCCCAAGGGC 600 CGGCTGGCTA GCAGGGCTGC TGTGCCCGGA TCCCAGGCCC CTGGAGCTGG CACTGCTCAT 660 CCTGGGCGTG GGGCTGCTGG ACTTCTGTGG CCAGGTGTGC TTCACTCCAC TGGAGGCCCT 720 GCTCTCTGAC CTCTTCCGGG ACCCGGACCA CTGTCGCCAG GCCTACTCTG TCTATGCCTT 780 CATGATCAGT CTTGGGGGCT GCCTGGGCTA CCTCCTGCCT GCCATTGACT GGGACACCAG 840 TGCCCTGGCC CCCTACCTGG GCACCCAGGA GGAGTGCCTC TTTGGCCTGC TCACCCTCAT 900 CTTCCTCACC TGCGTAGCAG CCACACTGCT GGTGGCTGAG GAGGCAGCGC TGGGCCCCAC 960 CGAGCCAGCA GAAGGGCTGT CGGCCCCCTC CTTGTCGCCC CACTGCTGTC CATGCCGGGC 1020 CCGCTTGGCT TTCCGGAACC TGGGCGCCCT GCTTCCCCGG CTGCACCAGC TGTGCTGCCG 1080 CATGCCCCGC ACCCTGCGCC GGCTCTTCGT GGCTGAGCTG TGCAGCTGGA TGGCACTCAT 1140 GACCTTCACG CTGTTTTACA CGGATTTCGT GGGCGAGGGG CTGTACCAGG GCGTGCCCAG 1200 AGCTGAGCCG GGCACCGAGG CCCGGAGACA CTATGATGAA GGCGTTCGGA TGGGCAGCCT 1260 1320 GGGGCTGTTC CTGCAGTGCG CCATCTCCCT GGTCTTCTCT CTGGTCATGG ACCGGCTGGT GCAGCGATTC GGCACTCGAG CAGTCTATTT GGCCAGTGTG GCAGCTTTCC CTGTGGCTGC 1380 CGGTGCCACA TGCCTGTCCC ACAGTGTGGC CGTGGTGACA GCTTCAGCCG CCCTCACCGG 1440 GTTCACCTTC TCAGCCCTGC AGATCCTGCC CTACACACTG GCCTCCCTCT ACCACCGGGA 1500 GAAGCAGGTG TTCCTGCCCA AATACCGAGG GGACACTGGA GGTGCTAGCA GTGAGGACAG 1560 CCTGATGACC AGCTTCCTGC CAGGCCCTAA GCCTGGAGCT CCCTTCCCTA ATGGACACGT 1620 GGGTGCTGGA GGCAGTGGCC TGCTCCCACC TCCACCGGG CTCTGCGGGG CCTCTGCCTG 1680 TGATGTCTCC GTACGTGTGG TGGTGGGTGA GCCCACCGAG GCCAGGGTGG TTCCGGGCCG 1740 1800 GGGCATCTGC CTGGACCTCG CCATCCTGGA TAGTGCCTTC CTGCTGTCCC AGGTGGCCCC ATCCCTGTTT ATGGGCTCCA TTGTCCAGCT CAGCCAGTCT GTCACTGCCT ATATGGTGTC 1860 TGCCGCAGGC CTGGGTCTGG TCGCCATTTA CTTTGCTACA CAGGTAGTAT TTGACAAGAG 1920 CGACTTGGCC AAATACTCAG CGTAGAAAAC TTCCAGCACA TTGGGGTGGA GGGCCTGCCT 1980 2040 CACTGGGTCC CAGCTCCCG CTCCTGTTAG CCCCATGGGG CTGCCGGGCT GGCCGCCAGT TTCTGTTGCT GCCAAAGTAA TGTGGCTCTC TGCTGCCACC CTGTGCTGCT GAGGTGCGTA 2100 2160 GCTGCACAGC TGGGGGCTGG GGCGTCCCTC TCCTCTCC CCAGTCTCTA GGGCTGCCTG ACTGGAGGCC TTCCAAGGGG GTTTCAGTCT GGACTTATAC AGGGAGGCCA GAAGGGCTCC 2220 2280 ATCCACTGGA ATGCGGGGAC TCTGCAGGTG GATTACCCAG GCTCAGGGTT AACAGCTAGC CTCCTAGTTG AGACACACCT AGAGAAGGGT TTTTGGGAGC TGAATAAACT CAGTCACCTG 2340 GYTTCCCATC TCTAAGCCCC TTAACCTGCA GCTTCGTTTA ATGTAGCTCT TGCATGGAG 2400 TTTCTAGGAT GAAACACTCC TCCATGGGAT TTGAACATAT GACTTATTTG TAGGGGAAGA 2460

CTCCTCA CCC CCA CA	
GTCCTGAGGG GCAACACACA AGAACCAGGT CCCCTCAGCC CACAGCACTG TCTTTTGCT	2520
GATCCACCCC CCTCTTACCT TTTATCAGGA TGTGGCCTGT TGGTCCTTCT GTTGCCATCA	2580
CAGAGACACA GGCATTTAAA TATTTAACTT ATTTATTTAA CAAAGTAGAA GCGAATGCAT	2640
TGCTAGCTTT TCTGTGTTGG TGTCTAATAT TTGGGTAGGG TGGGGGGATCC CCAACAATCA	2700
GGTCCCCTGA GATAGCTGGT CATTGGGCTG ATCATTGCCA GAATCTTCTT CTCCTGGGGT	2760
CTGGCCCCCC AAAATGCCTA ACCCAGGACC TTGGAAATTC TACTCATCCC AAATGATAAT	
TCCAAATGCT GTTACCCAAG GTTAGGGTGT TGAAGGAAGG TAGAGGGTGG GGCTTCAGGT	2820
CTCAACGGCT TCCCTAACCA CCCCTCTTCT CTTGGCCCAG CCTGGTTCCC CCCACTTCCA	2880
CTCCCCTCTA CTCTCTCTAG GACTGGGCTG ATGAAGGCAC TGCCCAAAAT TTCCCCTACC	2940
CCCAACTTTC CCCTACCCC AACTTGCCCAAAAT TTCCCCTACC	3000
CCCAACTTTC CCCTACCCC AACTTTCCCC ACCAGCTCCA CAACCCTGTT TGGAGCTACT	3060
GCAGGACCAG AAGCACAAAG TGCGGTTTCC CAAGCCTTTG TCCATCTCAG CCCCCAGAGT	3120
ATATCTGTGC TTGGGGAATC TCACACAGAA ACTCAGGAGC ACCCCCTGCC TGAGCTAAGG	3180
GAGGTCTTAT CTCTCAGGGG GGGTTTAAGT GCCGTTTGCA ATAATGTCGT CTTATTTATT	3240
TAGCGGGGTG AATATTTAT ACTGTAAGTG AGCAATCAGA GTATAATGTT TATGGTGACA	3300
AAATTAAAGG, CTTTCTTATA, TGTTTAAAAA AAAAAAAAAA AAAAAAAAA AAAAAAAA	3360
AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAAAA	3410
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(2) INFORMATION FOR SEC. TO NO. 111.	urn Tog
and the control of th	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 1289 base pairs	· 6 .
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear years and a manual control of A manual contro	3" "
(ii) MOLECULE TYPE: CDNA	* * * * * * * * * * * * * * * * * * *
(ii) MOLECULE TYPE : CONA DOMESTIC DE COMPTE DE LE LES ENERGISSES AVOIT DOM	t 42.
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(xi) SEQUENCE DESCRIPTION: SEQ. ID NO: 111:	33.5
AGCCAGGCGT CCCTCTGCCT GCCCACTCAG TGGCAACACC CGGGAGCTGT TTTGTCCTTT	1.1%
AGC.CAGGCGT CCCTCTGCCT GCCCACTCAG TGGCAACACC CGGGAGCTGT TTTGTCCTTT	⊲,60
GTGGAGCCTC AGCAGTTCCC TCTTTCAGAA CTCACTGCCA AGAGCCCTGA ACAGGAGCCA	120
CCATGCAGTG CTTCAGCTTC, ATTAAGACCA TGATGATCCT CTTCAATTTCTC CTCATGCTTTCTC	180
TOTOTOGIC AGCCCTGTTG GCAGTGGGCA TCTGGGTGTC AATCGATGGG GCATCCTTTC	240
TGAAGAICTI: CGGGCCACTG, TCGTCCAGTG CCATGCAGTT TCTCAACCTC CCCTTACTTCC	300
TCATCGCAGC CGGCGTTGTG GTCTTTGCTC TTGGTTTCCTC GCGCTCCTTATCCCTCATACA	360
CIGAGAGUAA GIGIGUCUTU GIGACGTTCT TCTTCATCATCCTCATCATCATCATCATCATCATCATCAT	420
AGGIIGCAGC IGCIGIGGTC GCCTTGGTGT ACACCACAAT GGCTGAGCAG TTCCTGACCT	480
TGCTGGTAGT GCCTGCCATC AAGAAAGATT ATGGTTCCCA CCAACACTTC ACTCAACTTCT	540
GGAACACCAC CATGAAAGGG CTCAAGTGCT GTGGCTTCAC CAACTATACC CATTTTTCACC	600
ACTUACULA CITUAAAGAG AACAGTGCCT TTCCCCCATT CTGTTGCAAT GACAACGTGA	660
CCAACACACC CAATCAAACC TCCACCAACC XXXXAAAAAA aan aan aan a	
· UCLICARICA GCTTTTTTCTAT CACATCCCAA CDAAMCCACA CACAGAGA	7.20
UIGGAATIGG GGCCTCCAC CTCCCTCCA TCATTCCTCCA AND TO TCATTCCTCA	780
INCHAINAGI ('CAC')'''''''''''''''''''''''''''''''''	840
ACCUTGGUAA GUAGCAGTGA TTCCCCCCACC CCACACACACA TA A CA A THE TOTAL TO A CA A	900
GAATGGACCT GCCCTTTCTG CTCCACACTT GCCCCTTACATT TAACAATGTC ACTTGGGCCA	9,60
GAATGGACCT GCCCTTTCTG CTCCAGACTT GGGGCTAGAT AGGGACCACT CCTTTTAGCG 1	020
TIOCCIONCI TICCITCCAT TGGTGGGTGG ATGGGTGGGG GGCATTCCAG AGCCTCTAAC	080
GTAGCCAGTT CTGTTGCCCA TTCCCCCAGT CTATTAAACC CTTGATATGC CCCCTAGGCC 1	140
TAGIGGIGAT CCCAGIGCTC TACIGGGGGA TGAGAGAAAG GCATFTTATA GCCTCCCCAT	200
AAGIGAAAIC AGCAGAGCCT CTGGGTGGAT GTGTAGAAGG CACTTCAAAA TGCATAAACC	260
ΙΘΙΙΑΚΑΑΤΟ ΤΠΑΔΔΔΔΔΔΔ ΔΔΛΛΛΛΛΛΛ	289
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(2)	INFOR	MATI	ON F	OR S	BQ I	D NO	:112	<b>:</b> ·	: •			٠.	•		••	
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	,		TOP								•	. ;				
	(ii) (vi)	ORIC	IANI	SOU SANIS	JRCE :		٠,	lens			. · · · · · · · · · · · · · · · · · · ·	: ::		:		
	(xi)	SEQU	JENCI	DES	CRIE	PTION	l: SI	3Q II	NO:	112:						_
	Met 1	Val	Phe	Thr	Val 5	Arg	Leu	Leu	His	Ile 10	Phe	Thr	Val		Lys 15	
	Leu	Gly	Pro	Lys 20	Ile	Val	Ile	Val	25				Lys	30		
	Phe	Phe	Leu 35	Phe	Phe	Leu	Gly	Val	Trp	Leu	Val	Ala		Gly	Val	
	Thr	Glu 50	Gly	Leu	Leu	Arg	Pro 55	Arg	Asp	Ser	Asp	Pne 60	Fro	Ser	Ile	Leu
	Arg 65	Arg	Val	Phe	Tyr	Arg 70	Pro	Tyr	Leu	Gln	11e   75	Phe	Gly	Gln	Ile	Pro 80
	Gln	Glu	Asp	Met	Asp 85	Val	Ala	Leu	Met	Glu .90	His	Ser	Asn	Сув	Ser 95	Ser
,				100				Pro	105	•	•		Ala	110		
. •	Val	Ser	Gln 115	Tyr	Ala	Asn	Trp	Leu 120	Val	Val	Leu		Leu 125	Val	Ile	Phe
		130	1.				135	Leu				Leu 140	)	Ala		
	Ser	Tyr	Thr	Pne	Gly	Lys	Val	Gln	Gly	Asn	Ser 155		٠,		Trp	Lys 160
	Ala	Gln	Arg	Туг	Arg 165	Leu	Ilė	Arg	Glu	Phe 170	His	Ser	Arg	Pro	175	
	Ala	Pro	Pro	Phe 180	: Ile	Val	Ile	e Ser	His 185	Leu	Arg	Lev	ı Lev	Leu 190	Arg	
	Leu	ı Cys	Arc	Arg	Pro	Arg	յ Seı	Pro	Glr	Pro	Ser	: Sei	Pro	Ala		

His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr

210	215		220	
Trp Glu Ser Val H 225	is Lys Glu Asn 230		235	240
Lys Arg Glu Ser A 2	sp Ser Glu Arg 45	Leu Lys 250	Arg Thr S	er Gin Lys Val 255
Asp Leu Ala Leu L 260	ys Gln Leu Gly	His Ile . 265		270
Leu Lys Val Leu G 275	280		2	rg Val Leu Gly 85
Trp Val Ala Glu A 290	a Leu Ser Arg 295	Ser Ala 1	Leu Leu P	To The the test of Pro Gly Gly
Pro Pro Pro Pro As	p Leu Pro Gly 310	Ser Lys 1	Asp 315	
(2) INFORMATION FOR SEC			<u> </u>	
(i) SEQUENCE CHARA	CTERISTICS:	3 °	\$ 5% .	4 ·
(B) TYPE: ami (C) STRANDEDN (D) TOPOLOGY:	ESS: single linear	2. € . 98		から、 100年 - 東京大学教育の 1987年 - 第
(ii) MOLECULE TYPE:	protein	Money.	a section and	(ग्राप्ट) हार टेरि
(vi) ORIGINAL SOURC (A) ORGANISM:	E: par [18 mag   18   Homo sapiens (		n ng tur Tilis	
(xi) SEQUENCE DESCR	IPTION: SEQ ID	NO:113:	· 2 · 5 · · · · · · · · ·	
Met Val Gln Arg Le 1 5	ı Trp Val Ser A	arg Leu L	eu Arg Hi	15 / A
Gln Leu Leu Leu Va	l Asn Leu Leu T 2	hr Phe G	ly Leu Gl	u Val Cys Leu 30 :
Ala Ala Gly Ile Th		ro Leu Le	eu Leu Gli	u Val Gly Val
* *	: T	. (.,	•	. 1 5.
Glu Glu Lys Phe Met	- 55	in and the second	. 560 :	Val Leu Gly
Leu Val Cys Val Pro 65	Leu Leu Gly S	er Ala Se	er Asp His	s Trp Arg Gly 80
Arg Tyr Gly Arg Arg 85	Arg Pro Phe I	le Trp Al 90	la Leu Ser	Leu Gly Ile
Leu Leu Ser Leu Phe		rg Ala Gl	y Trp Leu	ı Ala Gly Leu

Leu	Çys	Pro 115	Asp	Pro	Arg	Pro	Leu 120	Glu	Leu	Ala	Leu	Leu 125	Ile	Leu	Gly
Val	Gly 130	Leu	Leu		• -	135		Gln			140	Thr	Pro	Leu	Glu
145			•	Asp	150	Phe	Arg.	Asp	Pro	Asp 155	His	Cys		Gln	Ala 160
Tyr	Ser	Val	Tyr	Ala 165	Phe	Met	Ile	Ser	Ļeu 170	Gly	Gly	Суѕ		Gly 175	Tyr
Leu	Leu	Pro	180	Ilė	Asp	Trp	Asp	Thr 185	Ser	Ala	Leu	Ala	190	Tyr	Leu
Gly	Thr	195	Glu	Glú	Cys	Leu	Phe 200	Gly	Leu	Leu	Thr	Leu 205	Ile	Phe	Leu
Thr	Сув 210	Val	Ala	Ala	Thr	Leu 215	Leu	Val	Ala	Glu	Glu 220	Ala	Ala	Leu	Gly
Pro 225	Thr	Glu	Pro		230	Gly		Ser		Pro 235	Ser	Leu		Pro	His 240
Суѕ	Cys	Pro	Сув	Arg 245	Ala	Arg	Leu	Ala	Phe 250	Arg	Asn	Leu	Gly	Ala 255	Leu
Leu	Pro	Arg	Leu 260	His	Gln	Leu	Сув	Cys 265	Arg	Met	Pro	Arg	Thr 270	Leu	Arg
Arg	Leu	Phe 275	Val	Ala	Glu	Leu	280	Ser	Trp	Met	Ala	Leu 285	Met	Thr	Phe
Thr	Leu 290		Tyr	Thr	Asp	Phe 295	Val	Gly	Glu	Gly	Leu	Tyr	Gln	Gly	Val
Pro 305	Arg	Ala	Glu	Pro	Gly 310	Thr	Glu	Ala	Arg	Arg 315	His	Tyr	Asp	Glu	Gly 320
Val	Arg	Met	Gly					Phe					Ile	Ser ,335	Leu
			340					345					350		
Ala	Val	Tyr 355	Leu	Ala	Ser	Val	Ala 360	Ala	Phe	Pro	V <sub>.</sub> a1	365	ALA	Gly	Ala
Thr	Cys 370	Leu	Ser	His	Ser	Val 375	Ala	Val	Val	Thr	Ala 380	Ser	Ala	. Ala	Leu
Thr	Gly	Phe	Thr	Phe	Ser	Ala	Lev	Gln	Ile	Leu 395	Pro	Тут	Thr	. Leu	Ala 400

(2)

Se	r Leu	ту	r His	Arg 40,5		ГÀЗ	Gln	val	Phe 410		Pro	Lys	з Туг	Arg 415	
As	o Thr	Gly	9 Gly 420	Ala	Ser	Ser	Glu	Asp 425	Ser		Met	Thi	Ser 430		Let
Pro	Gly	Pro 435	Lys	Pro	Gly	Ala	Pro 449	Phe	Pro	Asn	Gly	His 445	Val	Gly	Ala
Gly	Gly 450	Sei	Gly	Leu	Leu	Pro 455	Pro	Pro	Pro	Ala	Leu 460	Cys	Gly	Ala	Ser
Ala 465		Asr	Val	Ser	Val 470	Arg	Val	Val	Val	Gly 475	Glu	Pro	Thr	Glu	Ala 480
Arg	, Val	Val	Pro	Gly 485	Arg	Gly	Ile	Сув	Leu 490	Asp	Leu	Ala	Ile	Leu 495	Asp
Ser	Ala	Phe	Leu 500	Leu	Ser	Gln	Val	Ala 505	Pro	Ser	Leu	Phe	Met 510	Gly	Ser
Ile	Val	Gln 515	Leu	Ser	Gln	Ser	Val 520	Thr	Ala		Met ·			Ala	Ala
Gly	Leu 530 80	Gly	Leu	Val	Ala	Ile 535	Tyr	Phe	Ala	Thr	Gln 540	Val	Val	Phe	Asp
Lys 545	Ser	Asp	Leu	Ala	Lys 550	Tyr	Ser	Ala	% j	Ę,	., .		· 3 - 4	of contract of the contract o	- 1
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(i)	SEQU (A)	JENC	E CHA	RACT 241	ERIS ami	TICS	s. S	· .							
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	(D)	TO	POLOG		inea				<b>.</b>	,			٠, .		
(ii)	MOLE	CUL	E TYP				•		-			. 7	•	• •	٠.
(vi)			L SOU GANIS						. "·	f			- 11 - <del>e</del> 1		•
(xi)	SEQU	ENC	E DES	CRIP	TION	: SE	Q ID	NO:	114:	3					4
Met 1	Gln	Cys	Phe	Ser 5	Phe	Ile	Lys	Thr	Met 10	Met	Ile			Asn 15	Leu
Leu	Ile	Phe	Leu (	Cys	Gly i	Ala	Ala	Leu 25	Leu	Ala	Val	Gly	Ile 30	Trp	Val
Ser	Ile	Asp 35	Gly	Ala :	Ser 1	Phe	Leu 40	Lys	Ile	Phe (	Gly	Pro 45	Leu	Ser :	Ser
Ser	Ala	Met	Gln i	Phe '	Val A	Asn '	Val	Gly	Tyr	Phe I	Leu	Ile	Ala	Ala (	3ly

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	Val.	Val.	Val	Phe	Ala	Leu	Gly	Phe	Leu	Gly	Cys	Tyr	Gly	Ala	Lys	Thr
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٠,	Glu	Ser	Lys	Суз.		Leu	Val	Thr	Phe		·Phe	Ile	Leu	Leu		Ile
	•				85					90					95	
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	Phe	He	Ala			Ala	Ala	Ala		Val	Ala	Leu	vaı		Thr	Thr
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	met	Ата	115	HIS	Pne	Leu	THE	120		Val			125		гÀг	гув
			113					120								
	λan	ጥኒም	Glv	Ser	Gln	Glu	Δen	Dhe		•				Thr	Thr	Met
	тэр	130	Gry	JCI	OIII	O.L.	135		1111	0111		140	71011	1111	1111	Mec
		130										:	: :		•.	
	Lvs	Glv	Leu	Lvs	Cvs	Cvs	Gly	Phe	Thr	Asn	Tyr	Thr	Asp	Phe	Glu	Asp
	145			•	-	150					155		Ţ.,			160
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•	Ser	Pro	Tyr	Phe	Lys					Phe						
					165			•		170		į :	1.7		175	f - 2
7	Asp	Asn	Val	Thr	'Asn	Thr	Ala	Asn	Glu	Thr	Cys	Thr	Lys	Gln	Lys	Ala
			l e . k	180		<b>.</b>	, ;	10 125 14 per 12	185	6773 1273 -			e service E service	190		
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e C M	HIS.	Asp		rys	vaı.					ABII					Asp	'Ile
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	Ara	Thr	Asn	Ala	Val	Thr	Val	Glv	Glv	Val	Ala	Alá	Glv	īle	Glv	Gly
	5	210					215	1	2			220	2			2
									•		150	1.5	i'	1.11	.·'.	
	Leu	Glu	Leu	Ala	Ala	Met	Ile	Val	Ser	Met	Tyr	Leu	Tyr	Сув	Asn	Leu
	225					230					235		:	. ,		240
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(2)	INFO	RMAT:	ION 1	FOR S	SEQ :	ID NO	0:11!	5:			•			. ,		
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		(C)	ויים (	רווא עם	ישמחש	cc. i	aina'	16								٠
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	(ii)	· MOT.I	ו זוויים	P TV	DE ·	~DNA	7			/ :		· · · ·	$t \to -t$	1		* *
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•	(vi)	ORI	GINA	L SO	URCE	• • • •	, ,		• • •		· i .	. : .	•			
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:115:

(A) ORGANISM: Homo Sapiens

GCTCTTTCTC TCCCCTCCTC TGAATTTAAT CATTTCACTG TGATGTATAT TGTGTTGCAA TTGGTTTGTG AATCCATCTT GCTTTTTCCC ACTGGTAGAA AAACATCTGA AGAGCTAGTC TCTCAGAACC ATTTCACCCA GACAGCCTGT TCTCTACATG CATAACAAAC CCTGCTCCAA TTAGTC	AAAAAAAAAA CATTGGAACT TATCAGCATC TTCTATCCTG	GTGTCTTTGT AGTCATTAAC TGACAGGTGA TTTAATAAAT	TTAAAATTAC CCATCTCTGA ATTGGATGGT TAGTTTGGGT	120 180 240 360 360
(2) INFORMATION FOR SEQ ID NO:11	. <b>6:</b> 19 8. t.	$L \rightarrow L$		
(i) SEQUENCE CHARACTERISTIC		.**)		
(A) LENGTH: 282 base p				
(B) TYPE: nucleic acid	44.0	18. F		
(C) STRANDEDNESS: sing	le			•
(D) TOPOLOGY: linear.	in the same of the same of	en e		
	831			•
(ii) MOLECULE TYPE: cDNA				
	in tea d	= 1, 2	The State of	
(V2) ORIGINAL SOURCE:		r to a	• 1	
(A) ORGANISM: Homo sap				
(vi) SPOUPNCE DESCRIPTION OF		to expense		
(xi) SEQUENCE DESCRIPTION: S	EQ ID NO:IIE	)		
ACAAAGATGA ACCATTTCCT ATATTATAGC GAGAAATGAG ATNAAACACA ATNTTATAAA AGACTTTACT ATTTTCATAT TTTAAGACAC ATACGTTAAA CAAAGGATAA TGTGAACAGC	GTCTACTTAG ATGATTTATC	AGAAGATCAA CTATTTTAGT	GTGACCTCAA AACCTGGTTC	60 120 180
TCAATCTNGA ACTATCTANA TCACAGACAT	TTCTATTCCT	TT	AAATCTATGT	240 282
TCAATCTNGA ACTATCTANA TCACAGACAT	TTCTATTCCT	TT	POT TO STATE OF	
TCAATCTNGA ACTATCTANA TCACAGACAT  (2) INFORMATION FOR SEQ ID NO:11	TTCTATTCCT	TT		
(2) INFORMATION FOR SEQ ID NO:11:  (i) SEQUENCE CHARACTERISTICS	TTCTAFTCCT	<b>TT</b>	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:11:  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa	TTCTAFTCCT	<b>TT</b>	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:11:  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid	TTCTATTCCT	<b>TT</b>	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:11:  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	TTCTATTCCT	TT	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:11:  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid	TTCTATTCCT	TT	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:11:  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	TTCTATTCCT	TT	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:117  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singl  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	TTCTATTCCT	TT	POT TO STATE OF	
(2) INFORMATION FOR SEQ ID NO:117  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singl  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	TTCTATTCCT  7:	TT		
(2) INFORMATION FOR SEQ ID NO:117  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singl  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	TTCTATTCCT  7: airs  .ee	TT		
(2) INFORMATION FOR SEQ ID NO:117  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singl  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	TTCTATTCCT  7: 6: airs 6e ens	TT		
(2) INFORMATION FOR SEQ ID NO:117  (i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 305 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singl  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapi	TTCTATTCCT  7: 3: 4: 6: 4: 6: 6: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	TT  ACATANAGGA  AATATATGAA  GGAAATCAGT  ACAGATGAGG	ACAGGGACCA ACAATTGCAA CAATGAAGGA	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 71 base pairs

		(C)	STRANDE	ucleic ac DNESS: si Y: linear	ngle		· · · · · · · · · · · · · · · · · · ·			•		
	(ii)	MOLE	CULE TYP	E: cDNA						. •		
	(vi)		(NAL SOU	RCE: M: Homo sa	apiens				. , t f <u>:</u>			
					F1 1 1	.* 1	1.545					
ACCA AANT	CCTC	വ സ	100	GACGTGGG	5 10 1 W			٠.	· .		60 7:	1
"(2)	INFO	RMATI	NEROP S	EQ ID NO:	119	•			_		- ·	
	(i)	(A) (B) (C)	ENCE CHA LENGTH: TYPE: n STRANDE	RACTERIST 212 base ucleic ac DNESS: si Y: linear	ICS: pairs id ngle	i to	•		\$ \$ 15. (6.75) (7. (6.75) (7.	' <u>:</u>		
	(ii)	MOLE	CULE TYP	E: cDNA		1347						
		(A)		RCE: M: Homo s CRIPTION:			- Talah .	***				
GAAZ AGTZ AATC	AATGG AAGCT SGANT INFO	GG TG GG CC CA AG RMATI SEQU (A) (B)	AAATTGGC CTTCTAAT ANACTCCC ON FOR S ENCE CHA LENGTH: TYPE: r STRANDE	CACGTGGC CAACTTTC AAAAGAAA AGGCCTCA EC ID NO: RACTERIST 90 base ucleic ac EDNESS: si EY: linear	AT TGAAC TA TNAAC AT TGAAA GC GT 120: CCS: pairs id ngle	ATNGC TTATG GGTTT	TTGGCAA	BAGC (ANTT AANC (	CCAAACC IGCCACC IGAATTA	AAC ANT	12 18	0
	(ii)			PE: CDNA								
-		(A)		SM: Homo s						•		
CTC	CGTTG CGCCG	GCA NA	TCAGGGG(CAGAACAT(	CCCCCAGA CCCCCAGA CTGGGGTG	AGT CACCO	STTGCA	GGAGTC	CTTC	TGGTCT	rgcc	C	90

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 218 base pair	S	
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: cDNA		
(,		
(wi) OPTOTAXA GOVERN		
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens	S	
	to the second of the contract of	•
(x1) SEQUENCE DESCRIPTION: SEQ	ID NO:121:	
	recovering the New York of the entire transfer and the entire transfer and the contract of the	
TOTAL COLOR ANACGACAGA NAGGGTTGTC AND	AAATCCAC AANCCOURCAA COOCA COOCA	. ,
GAATAAGATT TGCTAAAAGA TTTGGGGCTA AAA	CATCOME AMERICAN CATCATTTTCA	· 6
ATATNCANGT AAATTANGGA ATGAATTGAT GGT	ACAIGGIT ATTGGGAGAC ATTTCTGAAG	12
ATATICANGT AAATTANGGA ATGAATTCAT GGT	TCTTTTG GGAATTCCTT TACGATNGCC	1.8
AGCATANACT TCATGTGGGG ATANCAGCTA CCC	TIGTA	21
(2) INFORMATION TO THE	新发现的复数形式 (A) 在中间,在中间,11位于11位。	
(2) INFORMATION FOR SEQ ID NO:122:	Contra st. 1 tis State of the	
	ទីវី ២ ១៩៦ ខែមាន ខាង ១៦ 🚓 🛒 🕟	
(i) SEQUENCE CHARACTERISTICS:	and the control of th	
(A) LENGTH: 171 base pairs		
(B) TYPE: nucleic acid	The state of the s	
(C) STRANDEDNESS: single	en e	
(D) TOPOLOGY: linear	A MALE STATE OF THE CONTROL OF THE C	
(=, forologi; filled)		
(ii) MOLECUIE myon	Services from the	
(ii) MOLECULE TYPE: cDNA	SHOUND OF THE CO.	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	27 (0024) - N. W. (1780) (49 - W. (1974) - 1153	
The second of th	NACT TOTAL NAME OF SOLUTIONS	
(xi) SEQUENCE DESCRIPTION: SEQ II	D NO:122:	
	the property of the contract o	
TAGGGGTGTA TGCAACTGTA AGGACAAAAA TTGA	AGACTON ACTOCOMINA ACCORDANCE	•
CATTTGTTAG CTCATGGAAC ACGAACTCCC ACCC	TECCOOL A TOTAL CCAATAAAGG	60
CATTTGTTAG CTCATGGAAC AGGAAGTCGG ATGC	TOGGGC ATCTTCAGTG CTGCATGAGT	120
CACCACCCG GCGGGGTCAT CTGTGCCACA GGTC	CCTGTT GACAGTGCGG T	171
(2) INFORMATION FOR SEQ ID NO:123:	and the second section of the second	
·	The state of the s	
(i) SEQUENCE CHARACTERISTICS:	131	,
(A) LENGTH: 76 base pairs	For the first of the Association	
(B) TYPE: nucleic acid	en e	
(C) STRANDEDNESS: single	the state of the s	•
(D) TOPOLOGY: linear		
-, roronogi: iinear	A THE COUNTY FOR A SECOND	
(ii) MOT BOYER P.	•	
(ii) MOLECULE TYPE: cDNA	anderse adequate of	
	entre and a control of the Carlot of the	
(vi) ORIGINAL SOURCE:	the control of the co	
(A) ORGANISM: Homo sapiens	· · · · · · · · · · · · · · · · · · ·	
(XI) SEQUENCE DESCRIPTION OF	NO 100	
DESCRIPTION: SEQ ID	NO:123.: 100 Jan. 100	:
•		••
TGTAGCGTGA AGACNACAGA ATGGTGTGTG CTGTG	GCTATC CAGGAACACA TTTATTATCA	60
TTATCAANTA TTGTGT		
(2) INFORMATION FOR SEO ID NO.124.	to the Control of the	

(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 131 base pairs		
(B) TYPE: nucleic acid	e de la companya de	.,
(C) STRANDEDNESS: single	•	_
(D) TOPOLOGY: linear		Ē
(2) 10101011 1111111	•	
(ii) MOLECULE TYPE: cDNA	人名法法格拉斯 医多种性病	
(11) MODECODE TIPE: CDNA	The second secon	
· ·		
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens		
	The state of the s	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:124:	
,		
ACCTTTCCCC AAGGCCAATG TCCTGTGTGC TAAC	TGGCCG GCTGCAGGAC AGCTGCAATT	60
CAATGTGCTG GGTCATATGG AGGGGAGGAG ACTC	TAAAAT AGCCAATTTT ATTCTCTTGG	120
	11.15	131
TTAAGATTTG T		
	1000 1000 1000 1000 1000 1000 1000 100	
(2) INFORMATION FOR SEQ ID NO:125:		
	The state of the state of the	
(I) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 432 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(n) monorogy, linear	and a great state of the second state of the second	
(b) Topobogi. Timear	BRITCH BUILD CONTROL	
(ii) MOLECULE TYPE: cDNA	ಕಾಹಿಸಿಕ ವರ್ಷ ಚರ್ಕಿಕರು ಮಾ	•
·	The state of the s	
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens	1148 SECT 4 11	
· ·		
(xi) SEQUENCE DESCRIPTION: SEQ II	NO:125:	
ACTITATOTA CIGGOTATGA AATAGATGGI GGAA	AAATTGC GTTACCAACT ATACCACTGG	60
CTTGAAAAAG AGGTGATAGC TCTTCAGAGG ACTT	GTGACT TTTGCTCAGA TGCTGAAGAA	120
CTACAGTCTG CATTTGGCAG AAATGAAGAT GAAT	TTTCCAT TANATCACCA TCCTCAACAT	180
TTGCCTCACC AAACAAAAGT GAAACAACTG AGAG	TAXABUU UUGACCAAAA AACACACTCC	240
TTGCCTCACC AAACAAAAGT GAAACAACTG AGAC	MANATI IICAGGAMAA AAGACAGIGG	300
CTCTTGAAGT ATCAGTCACT TTTGAGAATG TTTC	TTAGTT ACTGCATACT TCATGGATCC	
CATGGTGGGG GTCTTGCATC TGTAAGAATG GAAT	TGATTT TGCTTTTGCA AGAATCTCAG	360
CAGGAAACAT CAGAACCACT ATTTTCTAGC CCTC	TGTCAG AGCAAACCTC AGTGCCTCTC	420
CTCTTGCTT GT		432
The state of the s		
(2) INFORMATION FOR SEQ ID NO:126:		· . •
(2) INFORMATION FOR DDG 12 HOTZES	•	
(:) aportunion attabaempniemice.	The part of the part of the second second	•
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 112 base pairs	The Carlot and Carlot	
(B) TYPE: nucleic acid	The state of the s	
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
	The second of th	
(ii) MOLECULE TYPE: cDNA	The state of the state of the state of	
(II) NORDCORD IIID. COM		

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:126:
ACACAACTTG AATAGTAAAA TAGAAACTGA GCTG AGTAAGAATG ATATTTCCCC CCAGGGATCA CCAA	AAATTT CTAATTCACT TTCTAACCAT 60 ATATTT ATAAAAATTT GT 112
(2) INFORMATION FOR SEQ ID NO:127:	1900年,1915年,1916年
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 54 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	The second secon
(ii) MOLECULE TYPE: cDNA	
(A) ORGANISM: Homo sapiens	्राच्या विकास क्षेत्रक क्षेत्रक स्थापन स्थापन क्षेत्रक स्थापन क्षेत्रक स्थापन क्षेत्रक स्थापन क्षेत्रक स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:127:
ACCACGAAAC CACAAACAAG ATGGAAGCAT CAATC	CACTT GCCAAGCACA GCAG 54
(2) INFORMATION FOR SEQ ID NO:128:	ne victorio (de la distributo). La distributo de distributo de la distribu
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 323 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	AND THE PROPERTY OF THE STATE O
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	e set de la virie par el como
(ii) MOLECULE TYPE: CDNA	A ROLL FROM THE DATE OF THE STATE OF THE STA
(A) ORGANISM: Homo sapiens	area a ser a la militar per ser a per la compositione de la compositione de la compositione de la compositione
YATA SECOFUCE DESCRIPTION: SEO ID I	o di salah di badaken 1918 o dan 19 10:428: projet jajent opera salah ketik
ACCTGAGATA ACAGAATGAA AATGGAAGGA CAGCCA TTCTCTCTGA AGTCTAGGTT ACCCATTTTG GGGACG CCAAAGCATT TGGACAGTTT CTTGTTGTGT TTTAGA TTCCTGCAAA AGGCTCACTC AGTCCCTTGC TTGCTC	CATT ATAGGCAATA AACACAGTTC 180 ATGG TTTTCCTTTT TCTTAGGCTTA
AGGCTGCCTT CTTTTCCATG TCC	74 July 74 OF 8 1805 11 11 11 11 11 13 323
(2) INFORMATION FOR SEQ ID NO:129:	DE SEE FOREARD DWINES
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 192 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	TEST STORMS OF THE STORMS OF T
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	per entre

(A) ORC	ANISM:	Homo	sapiens
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(xi)	SEQUENCE	DESCRIPTION:	SEQ	ID NO:129:	ĩ
,,				( ) + / D	111

ACATACATGT GTGTATATTT TTAAATATCA	CTTTTGTATC	ACTCTGACTT	TTTAGCATAC	60
TGAAAACACA CTAACATAAT TINTGTGAAC	CATGATCAGA	TACAACCCAA	ATCATTCATC	120.
TAGCACATTC ATCTGTGATA NAAAGATAGG				180
CATAAACAAA GT		MAN SERVE		192

## (2) INFORMATION FOR SEQ ID NO:130:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 362 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: CDNA Control of the Control of
  - - (A) ORGANISM: Homo sapiens
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:130:

CCCTTTTTTA	TGGAATGAGT	AGACTGTATG	TTTGAANATT	TANCCACAAC	CTCTTTGACA	60
TATAATGACG	CAACAAAAAG	GTGCTGTTTA	GTCCTATGGT	TCAGTTTATG	CCCCTGACAA	120
CONTRACTORICO	תמייידידיניריני מובוטיביבים	ATCTTCTGGC	TAATCGTGGT	ATCCTCCATG	TTATTAĞTAA	180
GITTCCATTG	CAMMANACA	ACGCCTGGTA	CATCTAACCT	GCTANGAGGC	TAACTTTATA	240
TICIGIATIC	CAITITITIA	MUCHCOLOGIA	TANANTOCO	ስጣጣካስ ጥርጥር C	AGCACTTTAT	300
CTTATTTAAA	AGCTCTTATT	TIGIGGICAL	IAAAAIGGCA	ATTIMICION	AAAACTAATC	360
TGCAGCAGGA	AGCACGTGTG	GGTTGGTTGT	AAAGCTCTTT	GCTAATCTTA	AAAAGTAATG	362
GG						362

## (2) INFORMATION FOR SEQ ID NO:131:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 332 base pairs (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:131:

(,		:.		•	•
CTTTTTGAAA GATCGTGTCC	ACTCCTGTGG	ACATCTTGTT	TTAATGGAGT	TTCCCATGCA	60
GTANGACTGG TATGGTTGCA	GCTGTCCAGA	TAAAAACATT	TGAAGAGCTC	CAAAATGAGA	120
GTTCTCCCAG GTTCGCCCTG	CTGCTCCAAG	TCTCAGCAGC	AGCCTCTTTT	AGGAGGCATC	180
TTCTGAACTA GATTAAGGCA					
CTTCCATCTG TTATCACTGG			GACNGGTACG	GATTGTGGGC	300
ATANAAGGAT TGGGTGAAGC	TGGCGTTGTG	GT	•		332

<sup>(2)</sup> INFORMATION FOR SEQ ID NO:132:

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

	(i)			<b>IARACTER 1</b>						
		(A	) LENGTI	i: 322 ba	se pai	rs 75		¢ <sub>1</sub>	*	rr :
		(B	TYPE:	nucleic	acid					
		(C	STRANI	DEDNESS:	single	ر وو کی	T			
		(D	TOPOLO	GY: line	ar 🚞 🤫		ing and the second seco		· · · · · · · · · · · · · · · · · · ·	a.i.
· ·		# 5 m							e e e e e e e e e e e e e e e e e e e	naviori Maria
	(ii)	MOT	SCILE TY	PE: CDNA		. 6 . 14 . 57		25.54		e Marie S
	(/		JCCAL I	CDMA	•					•
	Jari)	OPT	SINAL SO	TIDCE.			•	• •		
	( • 1 )			SM: Homo			1	धि.त च	. Wy Arr	·16. 1 A. · .
		(A,	ORGANI	.SM: HOMO	saprei	:				
	(xi)	SEQ	JENCE DE	SCRIPTIO	N: SEQ	ID NO:13				•
·. ХСТ	സസസ്	(1) m	מידי אַ יווייריים	T. D. T. D. D. D. D. C.	3 3 m/ci - mr		. p. 1994		(E.	
VCT.		CA 1.	ITIGIALA	T ATAAAC	AATC T	GGGACAT	CTCCTC	Baaaa C	TAGGTGTC	CC 60
AGI	GGCIA	AG A	AACTCGA	T TTCAAG	CAAT TO	TGAAAGG	AAACC!	AGCAT G	ACACAGA	T 120
CTC	AAATT	CC C	AACAGGG	G CTCTGT	GGGA AA	LAATGAGGC	B AGGACO	CTTTG T	ATCTCGGG	T 180
1111	AGCAA	GT T	AAATGAA	N ATGACA	GGAA AG	GCTTATTT	ATCAA(	AAAG A	GAAGAGTT	.G 240
GGA	TGCTT	CT A	AAAAAAAC	T TTGGTA	GAGA AA	ATAGGAA1	GCTNA	ATCCT A	GGGAAGCC	T 300
GTA	ACAAT	CT AC	'AATTGGT	C CA				error i de	1.1.	. 322
						e				
(2)	INFO	RMATI	ON FOR	SEQ ID N						
					4-1-60	3 S		74	1 1 1	
	(i)	SEQU	ENCE CH	ARACTERI	STICS:				•	·
. '		(A)	LENGTH	: 278 ba	se pair	son or			$x \in \mathcal{X}$	en de la serie National de la company
	.*	· (B)	TYPE:	nucleic a	acid	ent in migglious and	Allerania alla salah			
:		(C)	STRAND	EDNESS:	single		1.5			et da patrica. La da patrica
4.5		(D)	TOPOLO	GY: line	ar sygging	. Place with				. Joan in a
	_				146-21 .	Carlot Carlot			Doden A	ing in the section of
• 1.	(ii) <sub>a</sub>	MOLE	CULE. TY	PE: cDNA	TTTT		4			igur a <del>glig</del>
· · ·				•						
	(vi)	ORIG	INAL SO	URCE:						
		(A)	ORGANI	SM: Homo	sapien	<b>s</b> /:				
						- , ,		•		
	(xi)	SEOU	ENCE DE	SCRIPTION	I: SEO	TD NO-13	3			
	•				524	10,13		· • • • • • • • • • • • • • • • • • • •		
ACA	GCCTT	C AC	<b>ልል</b> ርምምል:	A CTAAATT	ייים אידי מבוכום אידי	ጥ አጥር ማግግጥ	מתריים אז	: गण्याक्रमाः तस्य		т 60
CTTC	ւսուսուս 	יריים ייים	TCCATCT	GCTCCTC	ימפי אים	7441CIII	CIGIAN	THAT CI	GCALAAL	1 60
רתים	מממיידי	ממ מו	DATCACA	A ATCTTTO	יכיבי ישים	A COUNTY	TOGAAA	CAAC IC	TATIGCI	A 120
רידאיז	יייי ביייי	<u>an mar</u>	TOTONNA	AAATTAT	ית חיים מיים לי	MAGCIAIG	IINAAI	TCAA AC	TATICCI	G 180
CCCA	CCNNN	C 2C	TOICAMA	A ACCACAG	MII II	ICAAAATA	TGTNTA	TTIG TI	TGATGGG	
CCCA	CGMAA	ic Ac	TAATAAA	A ACCACAG	AGA CC	AGCCTG	50.0			278
(2)										
(2)	INFOR	ITAM	ON FOR S	SEQ ID NO	:134:	•	. "	4	2020 1910	•
		٠.				(1) (4) (4) (1) (1)		5Ť} ***	· · · · · · · · · · · · · · · · · · ·	
-	(i)			ARACTERIS						
				: 121 bas		в .		; .	1981 APR	
				nucleic a						
٠.		(C)	STRANDI	EDNESS: s	ingle			.,		
٠.				Y: linea			• • • • • • • • • • • • • • • • • • • •			
-	(ii)	MOLE	CULE TYP	E: cDNA						
							••			

(xi	) SEQU	ENCE DESC	RIPTION: SE	Q ID NO:134		•	
					AAACTTTGTA TACTTGTATT		60 120
T			·			# 10 OF 6	121
(2) INF	ORMATI	ON FOR SE	Q ID NO:135			14:	
		•		•	• • • • • • • • • • • • • • • • • • • •	-11 - 5	
(i			ACTERISTICS				
			cleic acid				• .
	(5)	ETKANJED PODOLOGY	. linear	. <b>e</b> t. 2005 1907: 1			
• •	: j. (B)	TOBUTOGY	: linear				
133	\ MOT.E	CULE TYPE	· cDNA				•
(11	) MODE	COLE IIFE	. CDNA		ing sections		
(vi	) ORTG	INAL SOUR	CE:	¥			
			: Homo sapi	ens .	grading and t		
				10 TD 10 10	14 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (		
(X1	) SEQU	ENCE DESC	RIPTION: SE		Similar (1)		
<b>∆</b> ℃ተሞδΝδ	מרר מד	СССТАССА	САТСАGAATC		CATCAGTATA		60
					CTGGCACATT		120
					TNCCTAGGAN		180
					CCCTGNAAGG		240
CCACCTC	AAT CA	AGCCCTGG	GCCATGCTAC	CTGCAATTGG	CTGAACAAAC	${\tt GTTTGCTGAG}$	13 1 300
TTCCCAA	GGA TG	CAAAGCCT	GGTGCTCAAC	TCCTGGGGCĢ	TCAACTCAGT	2000	350
(2) INF	ORMATI	ON FOR SE	Q ID NO: 136	Settle (CB (DV)	- (3・2/15 <sup>1</sup> )。	an Villa	
(i	) SEOU	ENCE CHAR	ACTERISTICS	S:			E
	(A)	LENGTH:	399 base pa	irs	French Comment		
	·(B)	TYPE: nu	cleic acid			3 23	· · · · · · · · · · · · · · · · · · ·
	· (C)	STRANDEL	NESS: singl	Ler Albania	47 (A. 1965) 1944	er II., 255	
4	(D)	TOPOLOGY	::linear	Friedrich Jahren	$(1, \mathcal{T}_{1, 2}, \mathcal{T}_{1, 1}, \mathcal{T}_{1, 2}, \mathcal{T}_{1, 2})$	\$ 1.4.54 CE	*
÷ .				to the term of the	the second of the		
(ii	) MOLE	CULE TYPE	: cDNA	•	•		
				. (	Some the district	*,	e e e e e e e e e e e e e e e e e e e
(vi	) ORIG	INAL SOUP	RCE:			,	
	(A)	ORGANISM	1: Homo sapi		4 (1)		
(xi	.) SEQU	ENCE DESC	RIPTION: SI	EQ ID NO:13	<b>5:</b> 6 18 11 11 11 11 11 11 11 11 11 11 11 11		
		•		`@*	·	1.1.	_
					GCAGGGCCGA		
					TGAGATGACG		
					CCTGCCTGCC		
					TTTGTGGTGA		
					GACCATAAAA		
			CCAGNTGTTC	TGCTGTGGT	GCATGCCCAC		399
	32			entre de la companya	11000		
(2) INI	FORMAT		EQ ID NO:13				ni rum

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 165 base pairs

(C) CEDANDEDVECO	
(C) STRANDEDNESS: SINGLE	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
and the contract of the contra	
(ii) MOLECULE TYPE: cDNA	
(II) MODECOME TIPE. COM	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	•
化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:137:	
ACTGGTGTGG TNGGGGGTGA TGCTGGTGGT ANAAGTTGAN GTGACTTCAN GATGGTGTGT	60
GGAGGAAGTG TGTGAACGTA GGGATGTAGA NGTTTTGGCC GTGCTAAATG AGCTTCGGGA	
	120
TTGGCTGGTC CCACTGGTGG TCACTGTCAT TGGTGGGGTT CCTGT	165
(2) INFORMATION FOR SEQ ID NO:138:	•
""(1987年),1987年),1987年(1987年),1987年),1987年),1987年(1987年),1987年),1987年),1987年),1987年),1987年),1987年),1987年),1987年	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 338 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
a United Double Control of the Contr	
The state of the s	
THE PARTY (II) MODECULE STYPE: SECOND IN ENTIRE AND STOLD SECTIONS (AUGUST OF COLUMN ACCULATION OF THE SECOND OF SECOND OF SECOND OF THE SECON	-
	, i, e - f ,
end (vi) CORIGINAL SOURCE PART OF COMPRADUES DEFINE WITH THE STEEL AS THE DE	
(A) ORGANISM: "Homo sapiens" Dot 164 do 200 de de de decembro de la	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 138: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,
ACTCACTGGA ATGCCACATT CACAACAGAA TCAGAGGTCT GTGAAAACAT TAATGGCTCC	60
TTAACTTCTC CAGTAAGAAT CAGGGACTTG AAATGGAAAC GTTAACAGCC ACATGCCCAA	120
TGCTGGGCAG TCTCCCATGC CTTCCACAGT GAAAGGGCTT GAGAAAAATC ACATCCAATG	180
TCATGTGTTT CCAGCCACAC CAAAAGGTGC TTGGGGTGGA GGGCTGGGGG CATANANGGT	
CANGGORDA CANGGORDA COMPANDO CITAGOGIGGA GGGCTGGGGG CATANANGGT	
CANGCCTCAG GAAGCCTCAA GTTCCATTCA GCTTTGCCAC TGTACATTCC CCATNTTTAA	240
	300
AAAAACTGAT GCCTTTTTT TTTTTTTTTT TAAAATTC	
AAAAACTGAT GCCTTTTTT TTTTTTTTTT TAAAATTC	300
AAAAACTGAT GCCTTTTTT TTTTTTTTG TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:	300
(2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:	300
(2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs	300
(2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid.	300
(2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D): TOPOLOGY: linear	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D): TOPOLOGY: linear	300 338
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D): TOPOLOGY: linear	300 338
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	300 338
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D): TOPOLOGY: linear	300 338
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D): TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:  GGGAATCTTG GTTTTTGGCA TCTGGTTTGC CTATAGCCGA GGCCACTTTG ACAGAACAAA	300
AAAAACTGAT GCCTTTTTT TTTTTTTTT TAAAATTC  (2) INFORMATION FOR SEQ ID NO:139:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 382 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:	300

CCTT	ATTTGT C	TTCTACACC	CCACAGGGCC TCCTTCATGC	CCCTACTTCT	GTCTGTAGTT TCGGATGTGT TTTCCTACCA	TTTTAATAAT CTGCTGAGTG	300
(2)	INFORMAT	CION FOR SE	EQ ID NO:140	<b>)</b>	1 1 m 1 + 1 - 1 +		•
	(ii) MCI	A) LENGTH: B) TYPE: nu C) STRANDER D) TOPOLOGY LECULE TYPE	200 base parcleic acid DNESS: single C: linear C: cDNA	airs in the least of the least			
	( A	A) ORGANISM	f: Homo sap	iens			
	(xi) SEQ	QUENCE DESC	CRIPTION: SI	EQ ID NO:140	o: Adbas Resources		
ACTT	TTCATT T	TAACANCTTT	TGTTAAGTGT	TACTATAGGG CAGGCTGCAC	GTTTNGCTTN TTTGCTCCAT TTGGTGAAAT	TTCTAAANAT ANAATTATTG	60 120 180 200
(2)	INFORMAT	TION FOR SI	EQ ID NO:14	1:			
0 A 7 B 1 K	( <i>I</i> (E (C	A) LENGTH: B) TYPE: nu C) STRANDER B) TOPOLOGY	335 base particleic acid ONESS: sing	airs Albert gereed Le		Marine de la compania del compania de la compania del compania de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania de la compania del compan	en e
			RCE: M: Homo sap:	iens			
	(xi) SE(	QUENCE DESC	CRIPTION: S	EQ ID NO:14			·I · · ·
GGGT ATGC AATG	GCTGAC T CATGTAG A GGTTCTG A CTCTACC A	TAAACTTCAA AGAACCCAAA AGAACCATCC AGTTCAGAGA	GTCACAGACT CTAATTTATT AATTCACCTG	TTTATGTGAC AAACAGGATA TCAGATGCTG ACTANTTCCA		AGGGTTTGTT GTCTGGGTGA TCTTCAGATG AGCAAGATGG	120 180 240 300
(2)	INFORMAT	rion for si	EQ ID NO:14:	2:			
	() () ()	A) LENGTH:	ucleic acid DNESS: sing	airs			

(ii) MOLECULE TYPE: cDNA	
$\mathcal{L}_{\mathbf{k}}$ . The second $\mathcal{L}_{\mathbf{k}}$	tion of the second of the seco
(vi) ORIGINAL SOURCE: West of the	n tha na ann an air
(A) ORGANISM: Homo sapier	is
ter, commendate items bupace	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:142:
tite, begoester beboning	ID NO.142:
ACCAGGTTAA TATTGCCACA TATATCCTTT CC	A AMERICACIO COMPA A CASO COMPONE TO COMPONE
GGGTTGTTTA AAGACAACCC AGCTTAATAT CA	AATTGCGG GCTAAACAGA CGTGTATTTA 6
CTCATCATCA AAACACCC AGCIIAAIAI CA	AGAGAAAT TGTGACCTTT CATGGAGTAT 12
CTGATGGAGA AAACACTGAG TTTTGACAAA TC	TTATTTTA TTCAGATAGC: AGTCTGATCA 180
CACATGGTCC AACAACACTC AAATAATAAA TO	AAATATNA TCAGATGTTA AAGATTGGTC 240
TTCAAACATC ATAGCCAATG ATGCCCCGCT TO	CCTATAAT CTCTCCGACA TAAAACCACA 300
TCAACACCTC AGTGGCCACC AAACCATTCA GC	ACAGCTTC CTTAACTGTG AGCTGTTTGA 360
AGCTACCAGT CTGAGCACTA TTGACTATNT TT	TTCANGCT CTGAATAGCT CTAGGGATCT 420
CAGCANGGGT GGGAGGAACC AGCTCAACCT TG	GCGTANT 459
	the second se
(2) INFORMATION FOR SEQ ID NO:143:	and the second of the second of the second
(i) SEQUENCE CHARACTERISTICS:	and the comment of the second
(A) LENGTH: 140 base pair	<b>S</b>
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	in the second of
(D) TOPOLOGY: linear	in the second of
(ii) MOLECULE TYPE: cDNA	and the second of the second o
(11) HOLDCOLD TITE. COM	
(vi) ORIGINAL SOURCE:	A MORE OF A CARLES AND A STATE OF
	_
(A) ORGANISM: HOMO Sapien	<ul> <li>But the district districts</li> </ul>
(vi) CROUDWAR DEGARINATON AND	
(xi) SEQUENCE DESCRIPTION: SEQ	
ACATTECOTE OGAGGAAGEG AGGAGGGG	
ACATTCCTT CCACCAAGTC AGGACTCCTG GC	TCTGTGG GAGTTCTTAT CACCTGAGGG 60
AAATCCAAAC AGTCTCTCCT AGAAAGGAAT AGT	GTCACCA ACCCCACCCA TCTCCCTGAG 120
ACCATCCGAC TTCCCTGTGT	(A)
(0)	
(2) INFORMATION FOR SEQ ID NO:144:	<ul> <li>Control of the Control of the Control</li></ul>
	in the result to the control of the second o
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 164 base pairs	Charles and the second of the property of the Co
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	er in the district of the second of the seco
(D) TOPOLOGI: Linear	たき さいこうさい ATTT しきょうしんち しょうしゅう きょうしょ かたり しょうごう
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE.	and the control of th
(A) ORGANISM: Homo sapiens	The Mark Control of the Control of t
(11) ORGANISM: NOMO SAPIEMS	
(xi) SPONENCE DECONTRACTOR COS -	
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO:144:
A CITITION CITY NO. 100 A CITY OF THE CITY	English Several Control
ACTTCAGTAA CAACATACAA TAACAACATT AAG	TGTATAT: TGCCATCTTT GTCATTTTCT 60
ATCTATACCA CTCTCCCTTC TGAAAACAAN AAT	CACTANC CAATCACTTA TACAAATTTG 120
AGGCAATTAA TCCATATTTG TTTTCAATAA GGA	AAAAAAG ATGT 164
	miles and the second
(2) INFORMATION FOR SEQ ID NO:145:	

(i) SEQUENCE CHARACTERISTICS:	, and a second of the second o
(A) LENGTH: 303 base pairs	•
(B) TYPE: nucleic acid	人名英格兰 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤炎
(C) STRANDEDNESS: single	
	and the first of the contract
1	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	all the second section is the second section of the second section in the second section is the second section of the second section in the second section is the second section of the second section in the second section is the second section of the second section in the second section is the second section of the second section in the second section is the second section of the second section in the second section is the second section of the second section in the second section is the second section of the second section is the second section of the second section in the second section is the second section of the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the section is the second section in the section is the second section in the section is the section in the section is
(A) ORGANISM: Homo sapiens	
•	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:145:
(111) 0-20-10-10-10-10-10-10-10-10-10-10-10-10-10	
ACGTAGACCA TCCAACTTTG TATTTGTAAT GGCA	The state of the s
ACTGGAGGGT ATTTATACCC AATTATCCCA TTCA	
GCAGGACAGC TATCATAAGT CGGCCCAGGC ATCC	
GTAGGGGAGT CCATCCAAGT GACAGGTCTA ATCA	
TAGTAAAATN TTGCTTAGCT GAAACAGCCA CAAA	
	303
CAA	and the second of the second o
(a) Typenyamtov Hop and TD No.146	
(2) INFORMATION FOR SEQ ID NO:146:	
THE STATE OF	sant carrier of supposition in a tribal p
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 327 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	in terminal constant in with the configuration
(D) TOPOLOGY: linear thanks	COMPONENT MANAGEMENT OF THE TOP TO SET OF THE SET OF TH
一有要求。 1、 为有的有效的 1、 为为 1000和 A 15 1000 14	र को राजा वार्य के क्षेत्रकार वार्य गायक है। जो १५०४ वर्ष
(ii) MOLECULE TYPE: cDNA	ત્રાઇપાસ્ક્ર (૧૯૪૧) જેવા ભાજી કરાયા જેવી અને કરી છે. જેવા અને માટે છે. જેવા અને જેવા અને જેવા છે. જેવા જો જોઇ
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
	DWINE ALAST TO TO A POST
(xi) SEQUENCE DESCRIPTION: SEQ ID	
ACTGCAGCTC AATTAGAAGT GGTCTCTGAC TTTC	CATCANC TTCTCCCTGG GCTCCATGAC 60
ACTGGCCTGG AGTGACTCAT TGCTCTGGTT GGTT	GAGAGA GCTCCTTTGC CAACAGGCCT 120
CCAAGTCAGG GCTGGGATTT GTTTCCTTTC CACA	
CCTGAACAGG GAGGGTGGGA GGAGCCAGCA TGGA	
AGACTTGCCC CTGGGCCTGT CACACCTACT GATG	SACCTTC TGTGCCTGCA GGATGGAATG 300
TAGGGGTGAG CTGTGTGACT CTATGGT	32
	Facility of the second
(2) INFORMATION FOR SEQ ID NO:147:	
	State of the state of the state of
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 173 base pairs	A AND A CARL STATE OF THE STATE
(R) TVDE muclaic acid	
(a) compandation dela	
(C) STRANDEDNESS: SINGLE	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

. (	(xi)	SEQ	UENCE DE	SCRIPTION:	SEQ I	D NO:14	7: 18 11 1 Sega 10	u.	an Maria La Romania	• •
ACTG	BAAC	AC A	racccac <i>i</i>	AA AGCATTGA AT CTTTGTTC TA TATATTAT	TG AGG	CTCTCCT SATAATT	TAACGTGA TTCTGATA	CA CAA AA GTC	TGGAAGG TTGCTGT	6) 12) 17)
(2) I	NFO:	RMAT	ON FOR	SEQ ID NO:	148:		t :	. Le	25 (4)	•
	(i)	(B)	TYPE:	IARACTERIST I: 477 base nucleic ac	id		in the state of	يُو جَا الَّهُ ا		
٠.		(D)	TOPOLO	EDNESS: si GY: linear						
, 0.1		MOLE	CULE TY	PE: CDNA URCE: SM: Homo s	AMA TO GATTA THE TAK	anun lat Ursik 12 Ludu 20	OCTATAL CAROLLENA CAROLLENA	tingune 1994/44/3 LDAF (3	one of the	
(:	xi)	SEQU	ENCE DE	SCRIPTION:	SEQ ID	NO:14	<b>3:</b> 5:1 : 1		- O - 26 's	
ATGGG GCCT GTGGT NCCAN TAGAT CACCA	ATATATATATATATATATATATATATATATATATATAT	TA TI AC CI AG TG AC CI TC	'ATTTGAT 'GCTGCAA GCCATCA 'CACCGAC 'AAATTCA GCCTTCT	G AATTTTA G CTCCATT T AATCACAT G TCCANGCC C CCATCCTC G TCAATTAA C CAGCCAAC T CTTCACAA	CA TCAC IC CCTT IG CACC IT ACAC IT TACT AC ACAC	ACATAT CCTGTC TTGAGC AGCTAC ATTAAC ACACAC	ATGATAA CTGACCTC CCTTGAGC CTCCTTGC ACTCTACCC ACACNCAC	TÀ CACT A AGCC TC CATT TC TCTA TC ACAT ACACA ACACA	CATACT CATTGGG CGCTCAC ACCCCA CGTCCAG CACATAT	180 240 300 360 420
(2) I	NFOF	TAMS	ON FOR	SEQ ID NO:	149:	ر ۾ ھ		اول ما الله المراكب الله الله الله الله الله الله الله الل	n ki o	· • • • •
	(i)	(A) (B)	LENGTH TYPE: 1	ARACTERIST: 207 base	pairs ld	:	Street Files	ESS ·		
(1	ii)		CULE TY	EDNESS: sin GY: linear PE: cDNA	10 c) 747 772	605 5 1108 6	4 9 694 20 11 313	ALM 可是	masser i si Administration	
· (1	vi)		INAL SO	URCE: SM: Homo sa			r er meg	10 TOTE	Agenty on the second of the se	\$ -
(3	xi)	SEQU	ENCE DES	SCRIPTION:	SEQ ID	NO:149				
TAACG1 GATGA1	TTAI AAAI	T TA	GAGAGCC <i>I</i> GAGTCAG(	A AGAAATAAA A AGGAAGGTT C CAGGTAAGT C AGTGAAA	T CTGT	AATGAG GGGGAG	AGCATTTAA TGGGATGTA	G AGGG A GGTG A GTGA	aagaac Gggcct	60 120 180 207
(2) IN	VFOR	MATI	ON FOR S	SEQ ID NO:1	.50:		•	·•,	٠.	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 111 base pairs

(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(b) loloboot. linear	Successful Control of the late of the control	٠
(''') 101 207 2 2 207 2	Control of the Contro	
(ii) MOLECULE TYPE: cDNA		
·		
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ ID-1	NO.150.	
(XI) SEQUENCE DESCRIPTION: SEQ ID 1	NO:150:	
	n de la companya de La companya de la co	
ACCTTGATTT CATTGCTGCT CTGATGGAAA CCCAAG		60
CACTTAAATG TGGTCAGTGT TTGGACTTGT TAACT		111
	• •	
(2) INFORMATION FOR SEQ ID NO: 151:		
TOTAL TO BE A PART OF THE GOOD OF THE TOTAL	ting the first of the first and the second of the second o	
	the contract the state of the state of the	
(1) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 196 base pairs	isk in take the season triple partial collection	• • •
(B) TYPE: nucleic acid		٠.
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
	Carlo State Table 1 And Annual State of the Control	
(ii) MOLECULE TYPE: cDNA		
(11) MODECODE TIPE: CDNA	and the second of the second o	
(vi) ORIGINAL SOURCE:	and the first of the section of the	
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ ID 1	NO:151: 100 100 100 100 100 100 100 100 100 1	:
		*
AGCGCGGCAG GTCATATTGA ACATTCCAGA TACCTA	እጥር <b>ልጥ ጥልርጥርርልጥርር ጥርምጥርልጥ</b> ልእር	60
AGCAAGATGG CTTTGAACTC AGGGTCACCA CCAGC		120
GGATACCAAC CGGAAAACCC CTATCCCGCA CAGCCC	CACTG TGGTCCCCAC TGTCTACGAG	180
GTGCATCCGG CTCAGT	A Company of the Comp	196
(2) INFORMATION FOR SEQ ID NO:152:		. ;:
(i) SEQUENCE CHARACTERISTICS:	$(\mathcal{H}_{0}) \times \mathcal{H}_{0}^{\infty} = \{(\mathcal{H}_{0}), \mathcal{H}_{0}, \mathcal{H}_{0}, \mathcal{H}_{0}, \mathcal{H}_{0}\} \in \mathcal{H}_{0}, \dots \in \mathcal{H}_{0}\}$	
(A) LENGTH: 132 base pairs	to caratello di totale	٠
(A) HENGTH: 132 Dase parts	to a subject to the second of	
(B) TYPE: nucleic acid	in the second of	
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: cDNA		
(II) MODECOLE III . CEMI	Burger of the Later to the	
( ') 07797777 0077797	Service of the service of the service of	
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens		
•		
(xi) SEQUENCE DESCRIPTION: SEQ ID 1	NO:152:	
	· · · · · · · · · · · · · · · · · · ·	
ACAGCACTTT CACATGTAAG AAGGGAGAAA TTCCTA	ANAMO MACCACANAC AMARCANA	
CTTCCCCTTT TCATCTAGTG GTGGAAACCT GATGCT	TTTAT GTTGACAGGA ATAGAACCAG	120
GAGGGAGTTT GT	\$ 7.5	132
•	and the second of the second o	

(i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 285 base parts of the control of the con	pairs d
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sap	piens
(xi) SEQUENCE DESCRIPTION: S	SEQ ID NO:153;
ACAANACCCA NGANAGGCCA CTGGCCGTGG CTTCTGCTCT TATGTCCTCA TCTGACAACT GCACATCAAT AAAGTCCAAA GTCTTGGACT	G TGTCATGGCC TCCAAACATG AAAGTGTCAG F CTTTACCATT TTTATCCTCG CTCAGCAGGA F TGGCCTTGGC TTGGAGGAAG TCATCAACAC F GGATGACGGC ATCTGTGAAG TCGTGCACCA C ACGGAGTNAG GAATT C ACGGAGTNAG GAATT C 285
(2) INFORMATION FOR SEQ ID NO:15	4: (4) (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
(i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 333 base p  (B) TYPE: nucleic acid  (C) STRANDEDNESS: sing  (D) TOPOLOGY: linear	pairs
(ii) MOLECULE TYPE: cDNA	
A) ORGANISM: HOMO Sap	transport to be a report of the control of the cont
ACCCCAAATT TTTCCTTAAA TATCTTTAAC CCTAAGCCGG TTACACAGCT AACTCCCACT ATTGGCACAG GAGTCGAAGG TGTTCAGCTC	
(2) INFORMATION FOR SEQ ID NO:155	
(C) SIKANUBUNESS: SINGI	airs
<pre>(ii) MOLECULE TYPE: cDNA (vi) ORIGINAL SOURCE:</pre>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:155:

ACTGGAAATA ATAAAACCCA CATCACAGTG TTGTGTC GAAAGTGCTT TGGGAACTGT AAAGTGCCTA ACACATC TTGAATCACG GTGCATACAA ACTCTCCTGC CTGCTCC ATCACAGCTC ACTGCTCTGT TCATCCAGGC CCAGCAT GCTTTTAGCC TCCANAAGTT TCTCTGAAGC CAACCAA GCCCTGGT	GATC GATGATTTTT GTTATAATAT 120 CTCC TGGGCCCCAG CCCCAGCCCC 180 IGTA GTGGCTGATT CTTCTTGGCT 240
(2) INFORMATION FOR SEQ ID NO:156:	
Committee of the Commit	
(i) SECTIFNCE CHARACTERISTICS: (	
(n) mynn, analoid again	
(C) STRANDEDNESS: single	
TOPOLOGY: linear A Color of the	
	and the control of the second state of the second s
(ii) MOLECULE TYPE: cDNA	
·	· 我们也是我们的人,我们的人,我们会会们的意思。
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	n og skalende skriger og det i og er eller. Det eller er e
(xi) SEQUENCE DESCRIPTION: SEQ ID N	
(2) INFORMATION FOR SEQ ID NO:157:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 126 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	AAAC AAATTAACAG ACTAT 240 295
in the control of the	
(wi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(X1) SEQUENCE DESCRIPTION: SEQ ID I	NO:157:
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT GTGCTC GAAGAGCAAA ACAAATTCTG TCATGTAATC TCTATC CTTAGT  (2) INFORMATION FOR SEQ ID NO:158:	GAAAT GTGAAATCCA CCACATTTCT 60
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT GTGCTGGAAGAGCAAA ACAAATTCTG TCATGTAATC TCTATGCTTAGT  (2) INFORMATION FOR SEQ ID NO:158:	GAAAT GTGAAATCCA CCACATTTCT 60 CTTGG GTCGTGGGTA TATCTGTCCC 120 126
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT GTGCTC GAAGAGCAAA ACAAATTCTG TCATGTAATC TCTATC CTTAGT  (2) INFORMATION FOR SEQ ID NO:158:  (i) SEQUENCE CHARACTERISTICS:	GAAAT GTGAAATCCA CCACATTTCT 60 CTTGG GTCGTGGGTA TATCTGTCCC 120 126
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT GTGCTC GAAGAGCAAA ACAAATTCTG TCATGTAATC TCTATC CTTAGT  (2) INFORMATION FOR SEQ ID NO:158:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 442 base pairs	GAAAT GTGAAATCCA CCACATTTCT 60 CTTGG GTCGTGGGTA TATCTGTCCC 120 126
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT GTGCTC GAAGAGCAAA ACAAATTCTG TCATGTAATC TCTATC CTTAGT  (2) INFORMATION FOR SEQ ID NO:158:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 442 base pairs  (B) TYPE: nucleic acid	GAAAT GTGAAATCCA CCACATTTCT 60 CTTGG GTCGTGGGTA TATCTGTCCC 120 126
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT GTGCTC GAAGAGCAAA ACAAATTCTG TCATGTAATC TCTATC CTTAGT  (2) INFORMATION FOR SEQ ID NO:158:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 442 base pairs	GAAAT GTGAAATCCA CCACATTTCT 60 CTTGG GTCGTGGGTA TATCTGTCCC 120 126

(ii) MOLECULE TYPE: cDNA

(A) ORGANISM: Homo sapiens

(vi) ORIGINAL SOURCE:

(ii) MOLECULE TYPE: cDNA	• 17		•	,
THE STATE OF THE PROPERTY OF				
(vi) ORIGINAL SOURCE POUR		•		4
(A) ORGANISM: Homo sag	r i rain. Mana 1913 - L			
THE WAY ORGANISM: HOMO: SAF	Tens 1 2 2			
(vi) CPOUPAGE DECONTORON	170 TD 170 CD	-	in a literature	
(xi) SEQUENCE DESCRIPTION: S	SEQ ID NO:15	8:		
ACCCACTCCT CTTCCAAACA COCATGCTTA				٠.
ACCCACTGGT CTTGGAAACA CCCATCCTTA	ATACGATGAT	TTTTCTGTCG	TGTGAAAATG	
AANCCAGCAG GCTGCCCCTA GTCAGTCCTT	CCTTCCAGAG	AAAAAGAGAT	TTGAGAAAGT	12
GCCTGGGTAA TTCACCATTA ATTTCCTCCC	CCAAACTCTC	TGAGTCTTCC	CTTAATATTT	18
CTGGTGGTTC TGACCAAAGC AGGTCATGGT	TIGTTGAGCA	TTTGGGATCC	CAGTGAAGTA	24
NATGTTTGTA GCCTTGCATA CTTAGCCCTT	CCCACGCACA	AACGGAGTGG	CAGAGTGGTG	30
CCAACCCTGT TTTCCCAGTC CACGTAGACA	GATTCACAGT	GCGGAATTCT	GGAAGCTGGA	36
NACAGACGGG CTCTTTGCAG AGCCGGGACT	CTGAGANGGA	CATGAGGGCC	TETGCCTCTG	42
TGTTCATTCT CTGATGTCCT GT	•	•		44:
(0)			. , Ye visit 1911	
(2) INFORMATION FOR SEQ ID NO:15	9:			
(i) SEQUENCE CHARACTERISTIC				
(A) LENGTH: 498 base p	airs		* ·	
(B) TYPE: nucleic acid		and the second	::	
(C) STRANDEDNESS: sing			•	•
(D) TOPOLOGY: linear (a)	医格雷氏管的 化二苯烷	LANDA GOLGO		
PROPERTY OF STANDARD COMMUNICATION	7 £15.11 (1.1.)	$(a,b,c) \stackrel{\mathrm{def}}{=} (F_{a},F_{b})$		
(ii) MOLECULE TYPE: CDNA	TENTATOTO TO	V FII	and the state of the	Direction in
SHOULD AROUND A SHOULD AND AND AND AND AND AND AND AND AND AN	DAGRAMA, J		TT GAT IN	
(Vi) ORIGINAL SOURCE: 4 32	PRADRICAL JOSE		$\mathcal{D}_{k}^{1}+x_{k}+2\chi_{k}^{2}$	
(A) ORGANISM: Homo sap:		٠.	• •	
		option to	<ul> <li>5 17 (\$05)</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SI	EQ ID NO:159	) <b>:</b>	14.	
	1.54		e marining	
ACTTCCAGGT AACGTTGTTG TTTCCGTTGA	GCCTGAACTG	ATGGGTGACG	TTGTAGGTTC	60
TCCAACAAGA ACTGAGGTTG CAGAGCGGGT	AGGGAAGAGT	GCTGTTCCAG	TTGCACCTGG	120
GCTGCTGTGG ACTGTTGTTG ATTCCTCACT	ACGGCCCAAG	GTTGTGGAAC	TGGCANAAAG	180
GTGTGTTGTT GGANTTGAGC TCGGGCGGCT	GTGGTAGGTT	GTGGGCTCTT	CAACAGGGGC	240
TGCTGTGGTG CCGGGANGTG AANGTGTTGT	GTCACTTGAG	CTTGGCCAGC	TCTGGAAAGT	300
ANTANATTCT TCCTGAAGGC CAGCGCTTGT	GGAGCTGGCA	NGGGTCANTG	TTGTGTGTAA	360
CGAACCAGTG CTGCTGTGGG TGGGTGTANA	TCCTCCACAA	AGCCTGAAGT.	TATGGTGTCN	420
CAGGTAANA ATGTGGTTTC AGTGTCCCTG	GGCNGCTGTG	GAAGGTTGTA	NATTGTCACC	480
AAGGGAATAA GCTGTGGT		1884 1 E.		498
(2) INFORMATION FOR SEQ ID NO:160	un baran a	1. 1.	r. 2 031 1	:
		•		
(i) SEQUENCE CHARACTERISTICS	: 1200			
(A) LENGTH: 380 base pa	irs			
(B) TYPE: nucleic acid				
(C) STRANDEDNESS: singl	е	!		
(D) TOPOLOGY: linear			65	•

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:160:	
ACCTGCATCC AGCTTCCCTG CCAAACTCAC AAGGAGACAT CAACCTCTAG ACAGGGAAAC	60
ACCITICATEC AGCITICCOIG CCAAACICAC AAGGAGCA AAACAAATAT TCCCATGCCT	120
GGAGCATGGC ATAGAGGAAG CTGANAAATG TGGGGTCTGA GGAAGCCATT TGAGTCTGGC	180
CACTAGACAT CTCATCAGCC ACTTGTGTGA AGAGATGCCC CATGACCCCA GATGCCTCTC	240
CCACCCTTAC CTCCATCTCA CACACTTGAG CTTTCCACTC TGTATAATTC TAACATCCTG	300
GAGAAAAATG GCAGTTTGAC CGAACCTGTT CACAACGGTA GAGGCTGATT TCTAACGAAA	360
CTTGTAGAAT GAAGCCTGGA	380
CITGIAGAAI GAAGCCIGGA	
(2) INFORMATION FOR SEQ ID NO:161:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 114 base pairs	٠.
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	<i>:</i>
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:161:	
ACTCCACATC CCCTCTGAGC AGGCGGTTGT CGTTCAAGGT GTATTTGGCC TTGCCTGTCA CACTGTCCAC TGGCCCCTTA TCCACTTGGT GCTTAATCCC TCGAAAGAGC ATGT  (2) INFORMATION FOR SEQ ID NO:162:	60 114
	4
(i) SEQUENCE CHARACTERISTICS:	
	1
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	11
(C) STRANDEDNESS: SINGLE (D) TOPOLOGY: linear	
(D) TOPOLOGI: Timear	1.2
(ii) MOLECULE TYPE: cDNA	٠.
(11) MODECULE TIPE: CDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(A) ORGANISM: Nome Supreme	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:162:	
ACTITCTGAA TCGAATCAAA TGATACTTAG TGTAGTTTTA ATATCCTCAT ATATATCAAA	60
GTTTTACTAC TCTGATAATT TTGTAAACCA GGTAACCAGA ACATCCAGTC ATACAGCTTT TGGTGATATA TAACTTGGCA ATAACCCAGT CTGGTGATAC ATAAAACTAC TCACTGT	120 177
(2) INFORMATION FOR SEQ ID NO:163:	:
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 137 base pairs	
(B) TYPE: pucleic acid	. 7
(C) STRANDEDNESS: single	· ·
(D) TOPOLOGY: linear	•

(11) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: 117  (A) ORGANISM: Homo sapiens	ing the Ammerican control to the
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:163:	接付 网络外外性 化氯化镍铁铁
CATTTATACA GACAGGCGTG AAGACATTCA CGACAAAAAC GCGAA CANAGAAGGC AGCTACGGCT ACTCCTACAT CCTGGCGTGG GTGGCC CATCAGCGGC ATGATGT	- ን ፈት ነገር ነው። <b>አጥፐርጥ አጥር ርርርጥር እ</b> ር
(2) INFORMATION FOR SEQ ID NO:164:	The South State of the Comment
(1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 469 base pairs  (B) TYPE: nucleic acid	13 (17 - 1841) 11 (17 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -
(ii) MOLECULE TYPE: CDNA	
/*** \	DE TOTAL DE LA SERVICIO DE LA COMPANSIÓN
(2) INFORMATION FOR SEQ ID NO:165:	CCTT CGTGACTTTA 60 ATTC AACCAGGAAA 120 AGAC TGACAACTGT 180 FTTC TACACCTGTG 240 GCAA GTATATCGTG 300 FAAT CTAATGTGCT 360 CTCT AATAGTCAAT 420 FTT 465
(1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 195 base pairs	The state of the s
(ii) MOLECULE TYPE; cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	n Graes, en monte en la come Maria Graenton en la comencia Al Maria Maria de Calendario
(X1) SEQUENCE DESCRIPTION: SEQ ID NO:165:	AND REPORT OF STATE OF THE SECOND OF THE SEC
ACAGTTTTTT ATANATATCG ACATTGCCGG CACTTGTGTT CAGTTTC	
ATCCGCTGTC ATCCACTATT CCTTGGCTAG AGTAAAAATT ATTCTTA TGCAGGCCGC CCGCCCGTAG TTCTCGTTCC AGTCGTCTTG GCACACA TCCTCTGAGA TGAGT	ATA AAGCTGGTGG 60

(2) INFORMATION FOR SEQ ID NO:166:
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 383 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:166: A THE TAXABLE AND A SECOND PROPERTY OF THE PROPERTY
ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGGC TGTGAACTCG CCAAAGAATT TTTGCAGACC AGCCTGAGCA AGGGGCGGAT GTTCAGCTTC AGCTCCTCT TCGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC ACNTCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT NGGGGCCTTT TTGGTGAACT TTC  6 0 6 0 6 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7
(2) INFORMATION FOR SEQ ID NO:167: (3) (4) (4)
(i) SEQUENCE CHARACTERISTICS: 20  (A) LENGTH: 247 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDWA
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  24
(2) INFORMATION FOR SEQ ID NO:168:
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA
(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 168: 187.	
AATCCCTCAN CCTTGTTCTT CACNACTGTC TATACTGANA GTGTCATGTT TCCACAAAGG  GCTGACACCT GAGCCTGNAT TTTCACTCAT CCCTGAGAAG CGCTTTCCAG TAGGGTGGGC  AATTCCCAAC TTCCTTGCCA CAAGCTTCCC AGGCTTTCTC CCCTGGAAAA CTCCAGCTTG  ACTCCCACAT ACACTCATCC GCTCCCCTCCA CAACCTTCC CCCTGGAAAA CTCCAGCTTG	6 12 18 24
(2) INFORMATION FOR SEQ ID NO:169:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 431 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	·.·
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:169:	
GGCAGCAGAA AGGGGGTANT TACTGATGGA CACCATCTTC TCTGTATACT CCACACTGAC CTTGCCATGG GCAAAGGCCC CTACCACAAA AACAATAGGA TCACTGCTGG GCACCAGCTC ACGCACATCA CTGACAACCG GGATGGAAAA AGAANTGCCA ACTTTCATAC ATCCAACTGG AAAGTGATCT GATACTGGAT TCTTAATTAC CTTCAAAAGC TTCTGGGGGC CATCAGCTGC TCGAACACTG A	20 80 40 00 60
(2) INFORMATION FOR SEQ ID NO:170:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 266 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:170:	
ACCTGTGGGC TGGGCTGTTA TGCCTGTGCC GGCTGCTGAA AGGGAGTTCA GAGGTGGAGC 6 TCAAGGAGCT CTGCAGGCAT TTTGCCAANC CTCTCCANAG CANAGGGAGCCAACCTACACT 12 CCCCGCTAGA AAGACACCAG ATTGGAGTCC TGGGAGGGG AGTTGGGGTG GGCATTTGAT 18 GTATACTTGT CACCTGAATG AANGAGCCAG AGAGGAANGA GACGAANATG ANATTGGCCT 24 TCAAAGCTAG GGGTCTGGCA GGTGGA 26	0

## (2) INFORMATION FOR SEQ ID NO:171:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 1248 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- NOW BUT IN THE (vi) ORIGINAL SOURCE: :
  - (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:171:

Control of the Contro

GGCAGCCAAA TCATAAACG	G CGAGGACTGC	AGCCCGCACT	CGCAGCCCTG	GCAGGCGGCA	60
CTGGTCATGG AAAACGAAT	T GTTCTGCTCG	ĢGCGTCCTGG	TGCATCCGCA	GTGGGTGCTG	120
TCAGCCGCAC ACTGTTTCC	A GAAGTGAGTG	CAGAGCTCCT	ACACCATCGG	GCTGGGCCTG	180
CACAGTCTTG AGGCCGACC	A AGAGCCAGGG	AGCCAGATGG	TGGAGGCCAG	CCTCTCCGTA	240
CGGCACCCAG AGTACAACA	G ACCCTTGCTC	GCTAACGACC	TCATGCTCAT	CAAGTTGGAC	300
GAATCCGTGT CCGAGTCTC	A CACCATCCGG	AGCATCAGCA	TTGCTTCGCA	GTGCCCTACC	360
GCGGGGAACT CTTGCCTCG					420
GTGCTGCAGT GCGTGAACG	T GTCGGTGGTG	TCTGAGGAGG	TCTGCAGTAA	GCTCTATGAC	480
CCGCTGTACC ACCCCAGCA					540
AACGGTGACT CTGGGGGGG					
GGAAAAGCCC CGTGTGGCC					
ACTGAGTGGA TAGAGAAAA					720
ATTGACCCCC AAATACATC					
CCCTCAGGCC CAGGAGTCC					840
CCCAGCCCCT CCTCCCTC					. 900
CCAGGAGTCC AGCCCCTCC					960
CTCAGACCCA GGGGTCCAC					1020
CCAACCCNTC ATTCCCCAC					1080
GCGGTCCAAT GCCACCTAC					1140
AACCTTACCA GTTGGTTT	T CATTTTTNGT	CCCTTTCCCC	TAGATCCAGA	AATAAAGTTT	1200
AAGAGAAGNG CAAAAAAA	AAAAAAAAA	AAAAAAAAA	AAAAAAA		1248

## (2) INFORMATION FOR SEQ ID NO:172:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 159 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein to the control of the c
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:172:

Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro 

	Leu	Leu	Ala	Asn 20	Asp	Leu	Met	Leu	Ile 25	Lys	Leu	Asp	Glu	Ser	Va1	Ser
	Glu	Ser	Asp 35	Thr	Ile	Arg	Ser	Ile 40	Ser	Ile	Ala	Ser	Gln 45	Cys	Pro	Thr
.•	Ala	Gly 50	Asn	Ser	Cys	Leu	Val	Ser	Gly	Trp	Gly	Leu 60	Leu	Ala	Āsn	Gly
	Arg 65	Met	Pro	Thr	Val	Leu 70	Gln	Суѕ	Val	Asn		٠. '	المراوي			Glu 80
	Glu	Val	Сув	Ser	Lys 85	Leu	Tyr	Asp	Pro	Leu 90	Tyr. (107) -	His Clade	Pro	Ser	Met*	Phe
				1 ()()	_				100		Ser					<b>Ŝer</b> La la la
	GIA	GIY	Pro . 115.	Leu-	Ile Di	Cys	Asn	Gly 120	Tyr	Leu	Gln	Gly	Leu 125	Val:	Ser	Phe
0.77 n=. 0.1	G <b>TY</b> ∵	130	Ala:	Pro-	Cys (	<b>Glý</b> ∵ (1704) (1704)	Gln 135	Val مرکزین مرکزین	<b>Gly</b> ) 4.15.	<b>Val</b> + )	Pro (	Gly 140	Val	Tyr	Thr	Áśn
30 35 34 42	145	Cys	Lys 4000 10000	Phe '	Thir ( : 14:1 : 14:1	31 <b>u</b> / 150`/ 000:5	Propo T``. ∵∵	INEN Orod Orod	<b>31'u</b> r 1 ULDO 185 1	<b>Lys''</b> Jacon Dom	Thr 1	Val ( or so	31n 1 5. () 35. ()	Ala 	Ser	NOT OUT 1867 DAY Berne of t
(2)	INFORI	MATIC SEQUI	ON F	OR SI	EQ II RACTE	o no: Cac Erist	: 173 	iodat Micot Micot	9707 DUW 11.00	Al Di V	1935 (1) 2003 (1) 3103 (1)		ilia Distrib		antil Hinda Marka	
		(B) (C)%	TYP! STR!	E: nu ANDEI OLOGY	iclei NESS 7: "li	c ac : si near	id ngle	ತರಾವರ ≨ಗಳಾಲ ಕಾರ್ಚ	OVID Seria Alik	ing si Ngjar Kalana	a (K.) 1877 Gerara	$\mathcal{E} = \mathcal{Q}$ .	De Jo De Ko De Bar	in i	N. 2.	
		. 1	* .		, .	$\mathcal{L}(\mathcal{R}')$	(1:1)		••••	1000		0.7	ووجورة ويح	ni mu		in in in La estigni
:	(vi) O				CE:	mo s	apie			3 - 3		•				•
	(xi) s							ID:	NÒ:1	73:		id d Ste	.T'e - 3	are di		
TACAC	SCCCGC SCGTCC SCATCG	GGC	TGCA TGGG	CCT (	GCAG' GCAC	rggg: Agtc:	IG C IT G	TGTC. AGGC	AGCC(	G CA	CACT	GTTT:	CCA	GAAC	TCC	60 120 180
CTCAT ATTGC	GCTCA TTCGC	TCA. AGT	TCTC AGTT GCCC	CGT / GGA ( TAC (	ACGG( CGAA1 CGCG(	CACCO CCCG GGA	CA G FG TO AC TO	AGTA( CCGA( CTTG(	CAAC GTCT( CCTC(	A GAG G AC	CCCT ACCA: TCTG(	rget reeg	CGC'	TAAC	GAC AGC	240 300 360
CGGGG ACGTG	GCTGA TCGGT	CCCZ	rcaci Agagi Gtcti	GGG : CTC : GAG (	IGTGT IGCGT BAGGT	IGTCI ICCC <i>I</i> ICTGO	AG GO	CCTCT CAGA! TAAG(	TTCA/ ATGC( TTCT/	A GG	AGGŤ( CCGT( AČCC(	CCTC	TGC	CCAG'	rcg rga	420 480
GGCCC	TTCTG CTGAT GTTGG	CTG	CAAC	GGA (	GGCA FACTT	AGAC 'GCAG	CC AC	3AAGO	SACT(	CTC	GCAAC	CGGT	GACT	CTG	3GG	540 600 660 720

AAACCGTCCA GGCCAGTTAA	CTCTGGGGAC	TGGGAACCCA	TGAAATTGAC	CCCCAAATAC	780
ATCCTGCGGA AGGAATTCAG					840
TCCAGGCCCC CAGCCCCTCC	TCCCTCAAAC	CAAGGGTACA	GATCCCCAGC	CCCTCCTCCC	900
TCAGACCCAG GAGTCCAGAC	CCCCAGCCC	CTCCTCCCTC	AGACCCAGGA	GTCCAGCCCC	960
TCCTCCNTCA GACCCAGGAG	TCCAGACCCC	CCAGCCCCTC	CTCCCTCAGA	CCCAGGGGTT	1020
GAGGCCCCCA ACCCCTCCTC	CTTCAGAGTC	AGAGGTCCAA	GCCCCCAACC	CCTCGTTCCC	1080
CAGACCCAGA GGTNNAGGTC	CCAGCCCCTC	TTCCNTCAGA	CCCAGNGGTC	CAATGCCACC	1140
TAGATTTTCC CTGNACACAG	TGCCCCCTTG	TGGNANGTTG	ACCCAACCTT	ACCAGTTGGT	1200
TTTTCATTTT TNGTCCCTTT	CCCCTAGATC	CAGAAATAAA	GTTTAAGAGA	NGNGCAAAAA	1260
ААААА				· · · · · · · · · · · · · · · · · · ·	1265

### (2) INFORMATION FOR SEQ ID NO:174: ्र के राज्यक के जिस्से कि विकास के अपने र गाउँ र रा

- (i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 1459 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Homo sapiens AND THE RESIDENCE OF THE PROPERTY OF THE PROPE

A CAN ORGANISM. Monio Bupitons	A
A LA GROUPER PROGREDATION GRO TR NO. 1714	
The sequence description: Seq in No. 174:	er itte
GGTCAGCCGC ACACTGTTTC CAGAAGTGAG TGCAGAGCTC CTACACCATC GGGCTGGGCC	60
TGCACAGTCT TGAGGCCGAC CAAGAGCCAG GGAGCCAGAT GGTGGAGGCC AGCCTCTCCG	120
TACGGCACCC AGAGTACAAC AGACCCTTGC TCGCTAACGA CCTCATGCTC ATCAAGTTGG	180
ACGAATCCGT GTCCGAGTCT GACACCATCC GGAGCATCAG CATTGCTTCG CAGTGCCCTA	240
CCGCGGGGAA CTCTTGCCTC GTTTCTGGCT GGGGTCTGCT GGCGAACGGT GAGCTCACGG	300
GTGTGTGTCT GCCCTCTTCA AGGAGGTCCT CTGCCCAGTC GCGGGGGCTG ACCCAGAGCT	360
CTGCGTCCCA GGCAGAATGC CTACCGTGCT GCAGTGCGTG AACGTGTCGG TGGTGTCTGA	420
NGAGGTCTGC ANTAAGCTCT ATGACCCGCT GTACCACCCC ANCATGTTCT GCGCCGGCGG	480
AGGGCAAGAC CAGAAGGACT CCTGCAACGT GAGAGAGGGG AAAGGGGAGG GCAGGCGACT	540
CAGGGAAGGG TGGAGAAGGG GGAGACAGAG ACACACAGGG CCGCATGGCG AGATGCAGAG	600
ATGGAGAGAC ACACAGGGAG ACAGTGACAA CTAGAGAGAG AAACTGAGAG AAACAGAGAA	660
ATAAACACAG GAATAAAGAG AAGCAAAGGA AGAGAGAAAC AGAAACAGAC ATGGGGAGGC	720
AGAAACACAC ACACATAGAA ATGCAGTTGA CCTTCCAACA GCATGGGGCC TGAGGGCGGT	780
GACCTCCACC CAATAGAAAA TCCTCTTATA ACTTTTGACT CCCCAAAAAC CTGACTAGAA	840
ATAGCCTACT GTTGACGGGG AGCCTTACCA ATAACATAAA TAGTCGATTT ATGCATACGT	900
TTTATGCATT CATGATATAC CTTTGTTGGA ATTTTTTGAT ATTTCTAAGC TACACAGTTC	960
GTCTGTGAAT TTTTTTAAAT TGTTGCAACT CTCCTAAAAT TTTTCTGATG TGTTTATTGA	1020
AAAAATCCAA GTATAAGTGG ACTTGTGCAT TCAAACCAGG GTTGTTCAAG GGTCAACTGT	1080
GTACCCAGAG GGAAACAGTG ACACAGATTC ATAGAGGTGA AACACGAAGA GAAACAGGAA	1140
AAATCAAGAC TCTACAAAGA GGCTGGGCAG GGTGGCTCAT GCCTGTAATC CCAGCACTTT	1200
GGGAGGCGAG GCAGGCAGAT CACTTGAGGT AAGGAGTTCA AGACCAGCCT GGCCAAAATG	1260
GTGAAATCCT GTCTGTACTA AAAATACAAA AGTTAGCTGG ATATGGTGGC AGGCGCCTGT	1320
AATCCCAGCT ACTTGGGAGG CTGAGGCAGG AGAATTGCTT GAATATGGGA GGCAGAGGTT	1380
GAAGTGAGTT GAGATCACAC CACTATACTC CAGCTGGGGC AACAGAGTAA GACTCTGTCT	1440
CAAAAAAA AAAAAAAA	1459
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- (2) INFORMATION FOR SEQ ID NO:175:
  - (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1167 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	
yo-(D), TOPOLOGY:-linear of the second of th	• .
(11) MOLECULE TYPE: CDNA . I was the strong of the control of the	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:175:	
0000300000 0003000000 300000000 mg	 60
OMOGRADOGG 3 OMOGGADOM CROS GOGGAS	00 120
CTGGGCCTGC ACAGTCTTGA GGCCGACCAA GAGCCAGGGA GCCAGATGGT::GGAGGCCAGC	180
CTCTCCGTAC GGCACCCAGA GTACAACAGA CTCTTGCTCG CTAACGACCT CATGCTCATC	240
AAGTTGGACG AATCCGTGTC CGAGTCTGAC ACCATCCGGA GCATCAGCAT TGCTTCGCAG	300
TGCCCTACCG CGGGGAACTC TTGCCTCGTN TCTGGCTGGG GTCTGCTGGC GAACGGCAGA	360
ATGCCTACCG TGCTGCACTG CGTGAACGTG TCGGTGGTGT CTGAGGANGT CTGCAGTAAG	420
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GACTCCTGCA ACGGTGACTC TGGGGGGCCC CTGATCTGCA ACGGGTACTT GCAGGGCCTT	540
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CONTCAGACC CAGGAGTCCA GCCCCTCCTC CNTCAGACGC; AGGAGTCCAG ACCCCCCAGC	300
CONTENTECE TEAGACCEAG GGGTGCAGGC CCCCAACCCC TENTCENTCA GAGTCAGAGG	760. 360
CCAAGCCCC CAACCCCTCG TTCCCCAGAC CCAGAGGTNC AGGTCCCAGC CCCTCCTCCC // 31.00	20
CAGACCCAG CGGTCCAATG CCACCTAGAN TNTCCCTGTA CACAGTGCCC CCTTGTGGCA 11	0.8.0
IGTTGACCCA ACCTTACCAG TTGGTTTTTC ATTTTTTGTC CCTTTCCCCT AGATCCAGAA: 11	140
ATAAAGTNTA AGAGAAGCGC AAAAAAA	67
(2) INFORMATION FOR SEQ ID NO. 176:	- ':'
2) INFORMATION, FOR SEQ ID NO: 176:	
Burney Committee the Committee of the Co	
(i) SEQUENCE CHARACTERISTICS:	. 43
(A) LENGTH: 205 amino acids	14.5
(B) TYPE: amino acid (C) STRANDEDNESS: single	~ <b>.</b>
(C) STRANDEDNESS: single, (D) TOPOLOGY: linear	· ·
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: protein	
	_
(vi) ORIGINAL SOURCE:	ر د
(A) OPCANTEM: Homo ganions	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 176: ADDRESS OF THE PROPERTY OF THE PROP	رة -رك
,我有什么一个人,我们就是一个人,我们就是一个人,我们就会看到这个人,我们就看到了一块的这个人的时候,这一个的女人。	. ":
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Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu	
20 25 30	
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val	

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	Glu	Ala	Ser.					His	Pro	Glu	Tyr	Asn	Arg	Leu	Leu	Leu	
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12.				. '	<b>.</b>						-	_				_	
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	Pro	Thr	Val	Leu	His	Cvs	Val	Asn	Val:	Ser	Val	Val	Ser	Glu	Xaa	Val	
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	Cys	Ser	Lys	Leu	Tyr	Asp	Pro	Leu	Tyr	His	Pro	Ser	Met	Phe	Cys	Ala	٠.
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	Gly	Gly	Gly	Gln	Asp	Gln	Lys	Asp	Ser	Cys			Asp	Ser	Gly	Gly	
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	Pro	Leu	Ile	Cys		-	Tyr	Leu	Gln	_		Val	Ser	Phe		Lys	
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(2)	INFO	RMAT	ION I	FOR S	SEQ :	ID N	0:17	7:									
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	255		· .	· ·					··				•				
	(ii)	MOL	ECUL	E TY	PE: (	CDNA											
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	(AT)						sap:								•		
		(A	) OR	CHINI	5M: 1	HOIIIO	sap.	Tens					•				
	(xi)	SEO	TENC	R · DR:	SCRT	PTIO	N S	EO :T	D NO	. 1.77				· · • • • • • • • • • • • • • • • • • •			
	(41)	CHQ.	OBINC.	اندید . ب	a					' '	• •						
GCGC	CACTC	GC A		TGGC	A GG	CGGC	ACTG	GTC	ATGG	AAA	ACGA:	ATTG	TT C	TGCT	CGGG	С	60
	CTGGT																120
	GGCT	•					-										180
	AGCCT			-													240
	ATCAA																300
TCGC	CAGTG	cc c	TACC	GCGG	G CA	ACTC	TTGC	CTC	GTTT	CTG	GCTG	GGGT	CT G	CTGG	CGAA	С	360
GATO	CTGT	GA T	TGCC	ATCC.	A GT	CCCA	GACT	GTG	GGAG	GCT	GGGA	GTGT	GA G	AAGC	TTTC	С	420
CAAC	CCTG	GC A	GGG1	TGTA	C CA	TTTC	GGCA	ACT	TCCA	GTG	CAAG	GACG	TC C	TGCT	GCAT	C '	480

CA AC CA TO	ICACTG ACCATA CTAACC AGTTAT BACCTA	GTT ( ATG ( CCT ( CAG )	CTCC( CCGA: CACT( AGGT(	GAAG TGTT GAAT GAGG(	rc ac ra go rg ac ga ro	SACTA STGAA SATT SATA:	ATCA: AATTI ICCT( IAGC:	r ga A gc G ct r ct	TTAC GTCA( ICAG ICAA(	TGTG CTTG IGTC SGAT	TTG/ GCC: AGC( GCT(	ACTG' ICAA( CATT( EGTA(	TGC 1 CCA 1 CCC 1 CTC (	IGTCT ICTT( ACATA CCCT(	CATTO GTAT AATT CACA!	GT FC FC NA
GG CT	CATTT TCACA CAGTA	ATG A	ATGA/ CAGG(	ATGTA SCAGO	AT GA	TCGT AGCI	rgtt( \ttr	CCI	ATTAC	CCCA FAGT	AAGO	CTT:	TAA A	ATCCC	TCAT	rg La
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(2	) INFO	ORMAT	CION	FOR	SEQ	ID N	io:17	'8 <b>:</b>		. :		:3.		•	÷ :	٠
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	(xi)	SEQ														
	Met 1	Glu	Asn	Glu	Leu 5	Phe	Сув	Ser	Gly	Val 10	Leu	Val	His	Pro	Gln 15	Trp
	Val	Leu	Ser	Ala 20	Ala	His	Cys	Phe	Gln 25	Asn	Ser	Tyr	Thr	Ile 30	Gly	Leu
	Gly	Leu	His 35	Ser	Leu	Glu	Ala	40	Gln	Glu	Pro	Gly	Ser 45	Gln	Met	Val
·	Glu	Ala 50	Ser	Leu	Ser	Val	Arg 55	His	Pro	Glu	Tyr	Asn	Arg	Pro	Leu	Leu
-	Ala 65	Asn	Ąsp	Leu	Met	Leu 70	Ile	Lys	Leu	Asp	Glu 75	Ser	Val	Ser	Glu	Ser 80
	Asp	Thr	Ile	Arg	Ser 85	Ile	Ser	Ile	Ala 50°	Ser 90	Gln OG	Cys	,Pro	That	Ala 95	Gly.
;	Asn			100					105					110		Val
		Ala	11e	Gln	Ser	Xaa	Thr	Val 120	Gly	Gly	Trp	Glu	Cys 125	Glu	Lys	Leu
	Ser	• •	Pro		Gln	Gly	Cys:	Thr	Ile	Ser	Ala-	Thr	Ser.	Ser	Ala	Arg
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145				
Pro Gly Thr Leu				
(2) INFORMATION FOR SEQ ID NO:179:		ar e e e e e e e e e e e e e e e e e e e		
(i) SEQUENCE CHARACTERISTICS:	جن د. د.		and the second	
(A) LENGTH: 250 base pairs			A	
(A) LENGTH: 250 Dase parts			•	
(B) TYPE: nucleic acid	•	rias de la composición dela composición de la composición dela composición de la composición de la composición de la com		-
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	\$1.50	TV - 1 - 1 - 1 - 1	i and and and	• • • •
(D) TOPOLOGY: linear		713.		
•		-	4 · · · · · · · · · · · · · · · · · · ·	:
(xi) SEQUENCE DESCRIPTION: SE	Q ID NO:1	79:	entoria Portugare	
CTGGAGTGCC TTGGTGTTTC AAGCCCCTGC AG	GAAGCAGA	ATGCACCTTC	TGAGGCACCT'	60
CCAGCTGCCC: CCGGCCGGGG: GATGCGAGGC TC	GGAGCACC	CTTGCCCGGC'	TGTGATTGCT	120
GCCAGGCACT GTTCATCTCA GCTTTTCTGT CC				
AAGTTCATAT CTGGAGCCTG ATGTCTTAAC GA				
AAAAAAAAA	AIAAAGGI	CCCATGCTCC	neceonana.	250
AAAAAAAAAA SA	er i de limite La lagranda de la martina d			230
		and the second of the second o	and the second s	· · · · · · · · · · · · · · · · · · ·
(2) INFORMATION FOR SEQ ID	NO:180:	ata e Maraka Kalendari Tanggaran		
		ಕಿತ್ತಿದ್ದರೆ ಎಂದು ಕಾಣಿಮ್ ಪ	arth Aireann a deac	
(i) SEQUENCE CHARACTERISTICS:				
(A) LENGTH: 202 base pairs	· 1763;	DD W (F) 7	98 195 MAR	Pign 4 - 1 d
(B) TYPE: nucleic acid			•	-
(C) STRANDEDNESS: single	F817471/54	arronina di	ាចជា ួស្ស ។	
(D) TOPOLOGY: linear	matza	Blac 478 5	ត្រទស់ មាន 🗘 🐑 🔻	
(5) 10102001 1111011	ا د ته	to, shots i	12 18 1 18 C	
		in 1-5 . 4000		•
(xi) SEQUENCE DESCRIPTION: SE				
(AI) ongoines pasekiring				•
ACTAGTCCAG TGTGGTGGAA TTCCATTGTG TT	GGGCCCAA	CACAATGGCT	ACCTTTAACA	60
TCACCCAGAC CCCGCCCCTG CCCGTGCCCC AC	GCTGCTGC	TAACGACAGT	ATGATGCTTA	120
CTCTGCTACT CGGAAACTAT TTTTATGTAA TT	ים מינטינים מי	Cutathdi Cutatidada	TATAAATGCC	180
TGATTTAAA AAAAAAAAA AA AA AA AA AA AA AA A	ATCIAIC		1.5.2.	202
TGATTTAAAA AAAAAAAAAA AA	nanta a			
gradient was the state of the s	ranta de maior			
(2) INFORMATION FOR SEQ ID	) NO:181:			/*
(i) SEQUENCE CHARACTERISTICS:	(Berthir Islands)		• • • • • • • • • • • • • • • • • • • •	
(1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 558 base pairs			-1	
: (B) TYPE: nucleic acid			1000	
(C) STRANDEDNESS: single		· * * .		
(D) TOPOLOGY: linear		20 1 1 1		
•				
		K. O. Las Co.		•
(xi) SEQUENCE DESCRIPTION: SE		•	• • •	
TCCYTTTGKT NAGGTTTKKG AGACAMCCCK AG	GACCTWAAN	CIGTGTCACA	GACTTCYNGG	60
AATGTTTAGG CAGTGCTAGT AATTTCYTCG TA	ATGATTCT	GTTATTACTT	TCCTNATTCT	120
TTATTCCTCT TTCTTCTGAA GATTAATGAA GT	TGAAAATT	GAGGTGGATA	AATACAAAAA	180
GGTAGTGTGA TAGTATAAGT ATCTAAGTGC AG	ΤΩΔΑΩΥΑ	GTGTTATATA	TATCCATTCA	240
AAATTATGCA AGTTAGTAAT TACTCAGGGT TA				
CTACTCTGTT CCTTGGCTAG AAAAAATTAT AA	TIC THURT E	JahGdahy Gdalah	GGGDDGCCDD	360
CIACICIGII CCIIGGCTAG AAAAAAITAI AA	JUCUOGHC I	TIGITMGTIL	COGAGCCAA	

ATTGATAATA TTCTATGTTC TAAAAGTTGG GCTATACATA AATTATTAAG AAATATGGAW 420

TTTTATTCCC AGGAATATGG KGTTCATTTT ATGAATATTA CSCRGGATAG AWGTWTGAGT AAAAYCAGTT TTGGTWAATA YGTWAATATG TCMTAAATAA ACAAKGCTTT GACTTATTTC CAAAAAAAAA AAAAAAAA	480 540 558
(2) INDONMETON FOR ONE TO ME	
(2) INFORMATION FOR SEQ ID NO:182:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 479 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	٠.
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:182:	3
ACAGGGWTTK GRGGATGCTA AGSCCCCRGA RWTYGTTTGA TCCAACCCTG GCTTWTTTTC	60
AGAGGGGAAA ATGGGGCCTA GAAGTTACAG MSCATYTAGY TGGTGCGMTG GCACCCCTGC	60 120
CSTCACACAG ASTCCCGAGT AGCTGGGACTDACAGGCACAC AGTCACTGAA GCAGGCCCTG	180
TTWGCAATTC ACGTTGCCAC CTCCAACTTA AACATTCTTC ATATGTGATG TCCTTAGTCA	240
CTAAGGTTAA ACTTTCCCAC CCAGAAAAGG CAACTTAGAT AAAATCTTAG AGTACTTTCA	300
TACTMTTCTA AGTCCTCTTC CAGCCTCACT KKGAGTCCTM CYTGGGGGTT GATAGGAANT	360
NTCTCTTGGC TTTCTCAATA AARTCTCTAT YCATCTCATG TTTAATTTGG TACGCATARA	420
AWTGSTGARA AAATTAAAAT GTTCTGGTTY MACTTTAAAA ARAAAAAAA AAAAAAAAA	479
(2) INFORMATION FOR SEC ID NO.102.	
(2) INFORMATION FOR SEQ ID NO:183:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 384 base pairs	* * * * * *
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear; [ **** \mathred{T} \	
in the control of the	
(xi) SEQUENCE DESCRIPTION: SEQUID NO:183:	
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AGGCGGGAGC AGAAGCTAAA GCCAAAGCCC AAGAAGAGTG GCAGTGCCAG CACTGGTGCC	` 60·
AGTACCAGTA CCAATAACAG TGCCAGTGCC AGTGCCAGCA CCAGTGGTGG CTTCAGTGCT	120
GGTGCCAGCC TGACCGCCAC TCTCACATTT GGGCTCTTCG CTGGCCTTGG TGGAGCTGGT	180
GCCAGCACCA GTGGCAGCTC TGGTGCCTGT GGTTTCTCCT ACAAGTGAGA TTTTAGATAT	240
TGTTAATCCT GCCAGTCTTT CTCTTCAAGC CAGGGTGCAT CCTCAGAAAC CTACTCAACA	300
CAGCACTCTA GGCAGCCACT ATCAATCAAT TGAAGTTGAC ACTCTGCATT ARATCTATTT GCCATTTCAA AAAAAAAAAA AAAA	360
	384
(2) INFORMATION FOR SEQ ID NO:184:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 496 base pairs	
(B) TYPE: nucleic acid	• .
(C) STRANDEDNESS: single	:
(D) TOPOLOGY: linear	
the control of the first open will be the control of the control o	• •
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:184:	•
ACCGAATTCC CACCCCTCCC TTATTAACCCA TCATCCTCCCTC	Y :
ACCGAATTGG GACCGCTGGC TTATAAGCGA TCATGTYYNT CCRGTATKAC CTCAACGAGC	60

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AGGGAGATCG AGTCTATACG CTG				ł
CCCATCCTGC TCGGTTCTCC CCA				i.
AACGCTTCAA GGTGCTCATG ACC	CAGCAAC CGCGCCCTGT	CCTCTGAGGG	TCCCTTAAAC 240	)
TGATGTCTTT TCTGCCACCT GTT	ACCCCTC GGAGACTCCG	TAACCAAACT	CTTCGGACTG 300	þ
TGAGCCCTGA TGCCTTTTTG CCA	GCCATAC TCTTTGGCAT	CCAGTCTCTC	GTGGCGATTG 360	)
ATTATGCTTG TGTGAGGCAA TCA				)
TTTTTCTCAT ATTTTAAATT ACT	'ACMAGAW TATTWMAGAW	WAAATGAWTT	GAAAAACTST 480	
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(2) INFORMATION	FOR SEQ ID NO:185:			
and the burn burners and the con-				
(1) SEQUENCE CHARAC	TERISTICS:	771579. KI 17		
(A) LENGTH: 384 b	ase pairs			
(B) TYPE: nucleic	acida dan ba	· · · · · ·		
	single > 1771 Dec	T. (1) 11 (1) (1) (1)	II. Park of the telephone	
(D) TOPOLOGY: lin	iear			
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		er en	<u> </u>	
(xi) SEQUENCE DESCR		185: 200 A 1	and the first of the second of	
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GCTGGTAGCC TATGGCGKGG CCC				٠.
CAAGTATCYT GCGCSGCGTC TTC				٠.
AGGAGGACAT GGACGTGGCC CTC GGGCACACCC TCCTGGGGCC CAG				
TGGTGCTGCT CCTCGTCATC TTC				
TTGCCATGTT CAGTTACACA TTC				
GCGCAGCGTT ACCGCCTCAT CCC		CAGCGATCIC	384	
GCGCAGCGII ACCGCCICAI CCC	.v. i ma kolikara osa	·		•
(2) THEORMATION	FOR SEQ ID NO:186			
(2) INFORMATION	TOR SEQ ESTROCTES.	1 . N	Carried The Contract	
(i) SEQUENCE CHARAC	TERISTICS	general grant of the	たんしゅん こうえきだい ごっ	
(A) LENGTH 577 }	pase pairs			
(B) TYPE: nucleio	acid .	Strate Contract	设施 医二氯酚 医红斑点	
(a) ampantings	Continue to the Continue to			
(n) TOPOLOGY liv	near 1			
	or programme and the second			٠.
	organizate galeria da di	1 401 (3)		•
	RIPTION: SEQ ID NO		the same of the same of	,
GAGTTAGCTC CTCCACAACC TTC	SATGAGGT CGTCTGCAGT	GGCCTCTCGC	TTCATACCGC 60	)
TNCCATCGTC ATACTGTAGG TT	IGCCACCA CYTCCTGGC	A TCTTGGGGCG	GCNTAATATT 120	
CCAGGAAACT CTCAATCAAG TC	ACCGTCGA TGAAACCTG	r GGGCTGGTTC	TGTCTTCCGC 180	0

(2) INFORMATION FOR SEQ ID NO:187:

TCGGTGTGAA AGGATCTCCC AGAAGGAGTG CTCGATCTTC CCCACACTTT TGATGACTTT

ATTGAGTCGA TTCTGCATGT CCAGCAGGAG GTTGTACCAG CTCTCTGACA GTGAGGTCAC

CAGCCCTATC ATGCCGTTGA MCGTGCCGAA GARCACCGAG CCTTGTGTGG GGGKKGAAGT

CTCACCCAGA TTCTGCATTA CCAGAGAGCC GTGGCAAAAG ACATTGACAA ACTCGCCCAG

GTGGAAAAG AMCAMCTCCT GGARGTGCTN GCCGCTCCTC GTCMGTTGGT GGCAGCGCTW

TCCTTTTGAC ACACAAACAA GTTAAAGGCA TTTTCAGCCC CCAGAAANTT GTCATCATCC

(i) SEQUENCE CHARACTERISTICS:

AAGATNTCGC ACAGCACTNA TCCAGTTGGG ATTAAAT

- (A): LENGTH: 534 base pairs
  (B) TYPE: nucleic acid

120

180

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(D) TOPOLOGY: linear				
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Compression stock for several				
(xi) SEQUENCE DESCRIPTION:				-
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			. •	•
AACATCTTCC TGTATAATGC TGTGTAATAT	CGATCCGATN	TTGTCTGSTG	AGAATYCATW	6
ACTKGGAAAA GMAACATTAA AGCCTGGACA	CTGGTATTAA	AATTCACAAT	ATGCAACACT	12
TTAAACAGTG TGTCAATCTG CTCCCYYNAC	TTTGTCATCA	CCAGTCTGGG	AAKAAGGGTA	18
TGCCCTATTC ACACCTGTTA AAAGGGCGCT	AAGCATTTTT	GATTCAACAT	CTTTTTTTT	24
GACACAAGTC CGAAAAAAGC AAAAGTAAAC	AGTTATYAAT	TTGTTAGCCA	ATTCACTTTC	30
TTCATGGGAC AGAGCCATYT GATTTAAAAA	GCAAATTGCA	TAATATTGAG	CTTYGGGAGC	36
TGATATTTGA GCGGAAGAGT AGCCTTTCTA	CTTCACCAGA	CACAACTCCC	TITCATATTG	42
GGATGTTNAC NAAAGTWATG TCTCTWACAG	ATGGGATGCT	TTTGTGGCAA	TTCTGTTCTG	48
AGGATCTCCC AGTTTATTTA CCACTTGCAC	AAGAAGGCGT:	TTTCTTCCTC	AGGC	53
		grand in the	Tr. 31. 1	
(2) INFORMATION FOR SEQ			•	
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(i) SEQUENCE CHARACTERISTIC	es:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ar taga a a a a a	
(A) LENGTH: 761 base pair		· · · · · · · · · · · · · · · · · · ·		
(B) TYPE: nucleic acid		en de la companya de La companya de la co	والحي الراج والمحاج	
(C) STRANDEDNESS: single	The first of the control of the cont	್ ಸ್ಥಳಾಗಿತ್ರ ಗ್ರಾಕ್ಷಣಕ್ಕೆ ಕೆಲ್ಲಾ ಕ್ರಾಂತ್ರ		
(D) TOPOLOGY: linear	and the second of the second	rentration and the contraction. The transfer of the contraction of	The state of the s	
FILE OF MARKET DESCRIPTION	اها ها آماریست استفادی از این از این ا معارف کشوان از این در در این		en e	
MET OF THE BELL A OFFICE MODEL OF THE	ತ ಕಲ್ಲೀತಿ ಮಾಡಿಕ ಕೃತ್ಯಾಗಿತು 'ಈಕ್ರಾಡ್ ಕ್ರಾಂಡ್	a describe to a company		n de Series Name de
(xi) SEQUENCE DESCRIPTION:	さりフラフ へいし : <b>CPO</b> か <b>さわ みひこ</b> 1			
(XI) DBQODNCD DBBCKIFIION:	(SEC) ID MOST			
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AGAAACCAGT ATCTCTNAAA ACAACCTCTC	ATACCTTGTG	GACCTAATTT	TGTGTGCGTG	60
TGTGTGTGCG CGCATATTAT ATAGACAGGC	ACATCTTTT	TACTTTTG1'A	AAAGCTTATG	120
CCTCTTTGGT ATCTATATCT GTGAAAGTTT	TAATGATCTG	CCATAATGTC	<b>TTCCCCCACCT</b>	
TTGTCTTCTG TGTAAATGGT ACTAGAGAAA	ייידאידי אידיי איז איז א		TIGGGGACCI	180
	ACACCIAINI	TATGAGTCAA.	TCTAGTTNGT	180 240
TTTATTCGAC ATGAAGGAAA TTTCCAGATN	ACAACACTNA	CAAACTCTCC	TCTAGTTNGT CTKGACKARG	
GGGGACAAAG AAAAGCAAAA CTGAMCATAA	ACAACACTNA RAAACAATWA	CAAACTCTCC CCTGGTGAGA	TCTAGTTNGT CTKGACKARG ARTTGCATAA	240
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG	ACAACACTNA RAAACAATWA CATCATTAAA	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT	240 300 360
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA	240 300
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA	240 300 360 420
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC	240 300 360 420 480
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA	240 300 360 420 480 540
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA	240 300 360 420 480 540 600
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG TTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA TTCCCAGAGC TGAGATNTTA	ACAACACTNA RAAACAATWA CATCATTAAA CATCATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACATGAAAATWR GGTAGTATAT TGAARNACAG GCAAAAAAACA TGTACNGACT TCCCGTTGAG TTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA TTCCCAGAGC TGAGATNTTA GAAAAAAAAAAAAAAAAAAAAAAAAAAA	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACATGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAAACA TGTACNGACT TCCCGTTGAG TTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA TTCCCAGAGC TGAGATNTTA GAAAAAAAAAAAAAAAAAAAAAAAAAAA	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACATGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG TTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA TTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAAAAAAAAAAAAAAAAAAAAAAAAA	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAAA ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG TTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT AATGCTTAATT CACAAATGCT AATTTCATTA TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA (2) INFORMATION FOR SEQ	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 600 720
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA TTCTTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA (2) INFORMATION FOR SEQ	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA FTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 482 base pair	ACAACACTNA RAAACAATWA CATCATTAAA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA  ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT A	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA FTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 482 base pair (B) TYPE: nucleic acid	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA  ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTF TTGTTTTTTF AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT A	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA FTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 482 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA  ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTF TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT A	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA CTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 482 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT A	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA CTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 482 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA  ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTT TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT A	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761
GGGGACAAAG AAAAGCAAAA CTGAMCATAA ACAGAAATWR GGTAGTATAT TGAARNACAG GCAAAAAACA TGTACNGACT TCCCGTTGAG CTTGCCCTTC ATTACATGTT TNAAAGTGGT CTGACTGATA AAGCTGTACA AATAAGCAGT ATGCTTAATT CACAAATGCT AATTTCATTA CTTTTCTGTN TTCCCAGAGC TGAGATNTTA GAAAATAATA ACATTGAAGA AAAANANAAA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 482 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	ACAACACTNA RAAACAATWA CATCATTAAA TAATGCCAAG GTGGTGGGCC GTGCCTAACA TAAATGTTTG GATTTTATGT AAANAAAAA ID NO:189:	CAAACTCTCC CCTGGTGAGA RMGTTWTKTF TTGTTTTTTT AAAATATTGA AGCAACACAG CTAAAATACA AGTATNAAGT A	TCTAGTTNGT CTKGACKARG ARTTGCATAA WTTCTCCCTT TATNATAAAA AATGATGGAA TAATGTTGAC CTTTGAACTA GAAAAANTAC	240 300 360 420 480 540 660 720 761

TTTTTTTTT TTTGCCGATN CTACTATTTT ATTGCAGGAN GTGGGGGTGT ATGCACCGCA

CACCGGGGCT ATNAGAAGCA AGAAGGAAGG AGGGAGGGCA CAGCCCCTTG CTGAGCAACA

AAGCCGCCTG CTGCCTTCTC TGTCTGTCTC CTGGTGCAGG CACATGGGGA GACCTTCCCC

AAGGCAGGGG	CCACCAGTCC	AGGGGTGGGA	ATACAGGGGG-	TGGGANGTGT	GCATAAGAAG	240
		GTACAGACCC				300
		CACAGCGTAN				360
AAATTTGGCT	NGTCATNGAA	NGGGCANTTT	TCCAANTING	GCTNGGTCTT	GGTACNCTTG:	420
GTTCGGCCCA	GCTCCNCGTC	CAAAAANTAT	TCACCCNNCT	CCNAATTGCT	TGCNGGNCCC	480
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		ION FOR SEQ				
\$ DV17	ege en			1000		· -··
(i) s	SEQUENCE CHA	ARACTERISTIC	:S: ///			7.
(A)	LENGTH: 47	71 base pair	S		<b>经验证证据证</b>	- 1. I.
(B)	TYPE: nucl	leic acid				
		SSS: single				
		linear			•	
( <i>D</i> )	1010LOGI.				e de la companya della companya della companya de la companya della companya dell	•.
(vi)	SPOTTENCE DI	ESCRIPTION:	SEC TO NO	190:	Salaret e service	•
(XI)	SEQUENCE DI	BDCKII IIOI	DIQ ID NOT	r B		
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		GAACTACCAT				120
		AATGGAACCA				180
		CAAAAAAAAA				240
		TAAGACACAG				300
		ATCCAACCAA				360
		GCCAGGAACN				420
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	ο\ τησορμήτ	TON FOR SEC	TD -NO - 1.91 -			
	Z) INFORMAT	TON FOR SEQ	ID, NO. EJI.			4.
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ng. (1.) (	SEQUENCE "CH	OS baco pai	red to	.=	e je se se se se <del>g</del> eret	
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(B	) TIPE: NUC.	reit atiu rec. cingle		and the second seco		
(C	) STRANDEDN.	linear		in the second		i Tananan daripa
	TOPOLOGIA	Illiear				
	anormyan n	ESCRIPTION:				
(X1)	SEQUENCE D	ESCRIPTION:	SEQ ID NO:			+
					ACAAGTTGCT	- 60
GAGGGA'I'I'GA	AGGTCTGTTC	TASTGTCGGM	ACCOM CACCO	MACCAACICIA	ACAAGIIGCI	120
					AATAGAACAA	180
		TCTAGGACCT				240
		TCTGGTAAAG				
		TCTCCTTGAA				300
		TATACTTAAT			TAAATTCTGC	360
AAGAGTCATC	TGTCTGCAAA	AGTTGCGTTA	GTATATCTGC	CA		402
				•	•	
(	<ol><li>INFORMAT</li></ol>	ION FOR SEQ	ID NO:192:		ration to be	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 601 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:192: GAGCTCGGAT CCAATAATCT TTGTCTGAGG GCAGCACACA TATNCAGTGC CATGGNAACT GGTCTACCCC ACATGGGAGC AGCATGCCGT AGNTATATAA GGTCATTCCC TGAGTCAGAC ATGCYTYTTT GAYTACCGTG TGCCAAGTGC TGGTGATTCT YAACACACYT CCATCCGYT CTTTTGTGGA AAAACTGGCA CTTKTCTGGA ACTAGCARGA CATCACTTAC AAATTCACCC ACGAGACACT TGAAAGGTGT AACAAAGCGA YTCTTGCATT GCTTTTTGTC CCTCCGGCAC CAGTTGTCAA TACTAACCCG CTGGTTTGCC TCCATCACAT TTGTGATCTG TAGCTCTGGA TACATCTCCT GACAGTACTG AAGAACTTCT TCTTTTGTTT CAAAAGCARC TCTTGGTGCC 420 TGTTGGATCA GGTTCCCATT TCCCAGTCYG AATGTTCACA TGGCATATTT WACTTCCCAC 480 AAAACATTGC GATTTGAGGC TCAGCAACAG CAAATCCTGT TCCGGCATTG GCTGCAAGAG CCTCGATGTA GCCGGCCAGC GCCAAGGCAG GCGCCGTGAG CCCCACCAGC AGCAGAAGCA 600 the productions of the contract of the contrac 601 THOSOGOES : (2) INFORMATION FOR SEQ ID NO:193: (i) SEQUENCE CHARACTERISTICS: PROPERTY OF A STATE OF A (A) LENGTH: 608 base pairs (B) OTYPE: nucleic acid to a sea a server see the factor and (C) STRANDEDNESS: Single (C) TOPOLOGY: linear (C) T MIRNING CO. The second of the transfer of the second of (xi) SEQUENCE DESCRIPTION: SEQ ID NO:193: そらい 「こここでは、これは作ったい「葉を研りませた」」。 こっかっ EMETS, Display Costs AVACAGCCCA NATCCCACCA CGAAGATGCG CTTGTTGACT GAGAACCTGA TGCGGTGACT 60 GGTCCCGCTG TAGCCCCAGC GACTCTCCAC CTGCTGGAAG CGGTTGATGC TGCACTCYTT 120 CCCAACGCAG GCAGMAGCGG GSCCGGTCAA TGAACTCCAY TCGTGGCTTG GGGTKGACGG TKAAGTGCAG GAAGAGGCTG ACCACCTCGC GGTCCACCAG GATGCCCGAC TGTGCGGGAC 240 CTGCAGCGAA ACTCCTCGAT GGTCATGAGC GGGAAGCGAA TGAGGCCCAG GGCCTTGCCC 300 AGAACCTTCC GCCTGTTCTC TGGCGTCACC TGCAGCTGCT GCCGCTGACA CTCGGCCTCG 360 GACCAGCGGA CAAACGGCRT TGAACAGCCG CACCTCACGG ATGCCCAGTG TGTCGCGCTC 420 CAGGAMMGSC ACCAGCGTGT CCAGGTCAAT GTCGGTGAAG CCCTCCGCGG GTRATGGCGT CTGCAGTGTT TTTGTCGATG TTCTCCAGGC ACAGGCTGGC CAGCTGCGGT TCATCGAAGA 540 GTCGCGCCTG CGTGAGCAGC ATGAAGGCGT TGTCGGCTCG CAGTTCTTCT TCAGGAACTC 600 CACGCAAT 608 (2) INFORMATION FOR SEQ ID NO:194: and the contract of the contra (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 392 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear The State of the S (xi) SEQUENCE DESCRIPTION: SEQ ID NO:194: GAACGGCTGG ACCTTGCCTC GCATTGTGCT TGCTGGCAGG GAATACCTTG GCAAGCAGYT CCAGTCCGAG CAGCCCCAGA CCGCTGCCGC CCGAAGCTAA GCCTGCCTCT GGCCTTCCCC 120 TCCGCCTCAA TGCAGAACCA GTAGTGGGAG CACTGTGTTT AGAGTTAAGA GTGAACACTG 180 TTTGATTTTA CTTGGGAATT TCCTCTGTTA TATAGCTTTT CCCAATGCTA ATTTCCAAAC 240 AACAACAACA AAATAACATG TTTGCCTGTT AAGTTGTATA AAAGTAGGTG ATTCTGTATT 300 TAAAGAAAAT ATTACTGTTA CATATACTGC TTGCAATTTC TGTATTTATT GKTNCTSTGG 360

AAATAAATAT AGTTATTAAA GGTTGTCANT CC

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#### (2) INFORMATION FOR SEQ ID NO:195: I was the second of the second

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 502 base pairs
  (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single Line of the Control of the
- (D) TOPOLOGY: linear The or the comment of the same property of the term to be able to the

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:195:

CCSTTKGAGG GGTKAGGKY	CAGTTYCCGA GTGGAAGAAA CAGGCCAGGA GAAGTGCGTG	60
CCGAGCTGAG GCAGATGTT	CCACAGTGAC CCCCAGAGCC STGGGSTATA GTYTCTGACC	120
CCTCNCAAGG AAAGACCAC	TTCTGGGGAC ATGGGCTGGA CGGCAGGACC TAGAGGCACC	180
	GGSTGTTCCC CGAGGAGGAA GGGAAGGGGC TCTGTGTGCC	240
	GAGTCCTGGG ATCAGACACC CCTTCACGTG TATCCCCACA	300
	TCCCCTCTCA GTCCCCTTCC STACACCCTG AMCGGCCACT	360
	ACGCCACCC CCATGGGGAR TGTGCTCAAG GARTCGCNGG	420
GCARCGTGGA CATCTNGTC	CAGAAGGGG CAGAATCTCC AATAGANGGA CTGARCMSTT	480
GCTNANAAAA AAAAANAAA	A AA	502
	一点,就是一点的。 (a) 经过时经验证据,现实的对象。 (4)的	

#### (2) INFORMATION FOR SEQ ID NO:196: HONE OF THE PARTY HAS ELECTRONIC PROPERTY OF THE PARTY OF

- (i) SEQUENCE CHARACTERISTICS Each State of the Control of the Cont
- TO(A). LENGTH: 7665 base pairs (A) A PARK NOW A CONTROL OF A TO THE PARK
- 10 (B) TYPE: nucleic acid realway From All 1. The selection will
- TO (D): TOPOLOGY: linear Divines a law as a law as a law as a second of the control of the contr

# Talkarat 1 (1977) States to the transfer of the following (xi) SEQUENCE DESCRIPTION: SEQ ID NO:196:

(X1)	SEQUENCE DESCRIPTION.				
*		+ (, , ) ( ) ( ) (2 )	"我是我的我们的。"		
GGTTACTTGG	TTTCATTGCC ACCACTTAGT	GGATGTCATT	TAGAACCATT	TTGTCTGCTC	60
	CCTTGCGCAG AGCGGACTTT				120
	GAGTTGATTS GCACCACTGC				180
	TATCTTGTGA AAAGTATAAC				240
	AAAAGCAAWA GATATATAT				300
	AAAATGTGGA GTGTATGTTC				360
	ATTTTATTGT AAATGARTTA				420
	TCATTAATTT CTTTCCTKGT				480
	AATCGATCTT GATGCTGTGG				540
	GTATAAAGGT TGTAGCCCAT				600
TTTGCAATCA	GGCTGAAATG TGGCATGCTN	'TTCTAATTCC	AACTTTATAA	ACTAGCAAAN	660
AAGTG	CONTRACTOR SECURIOR SECTION	MARGINE L			665

## COLUMN CONTRACTOR OF THE STATE (2) INFORMATION FOR SEQ ID NO:197:

SECURITY OF THE SECTION OF THE SECTI

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 492 base pairs
  (B) TYPE: nucleic acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

. . . .

·; ·

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:197:

AAGGCAGATT AATTATAGTC CAAAATTCTA ATTCTCTTCT	GAGCGATCCA CACAGAACAT NAACCAGTAA CCCTGAAACT GAACTTTAGA	TTATCAGTGA GCTNGTCNGC ACNAGGAATT TACTCCATCC TTTTCTAGAA	AAAGTATCAA TTGCAGTTTT TACTTTTCAA AAATATTGGA AAATATGTAA	GTGTTTATAA ACCTCGTANA AAGATTAAAT ATAANAGTCA TAGTGATCAG	GCAGTGATAC	60 120 180 240 300 360
AATTATAGTC	NAACCAGTAA	ACNAGGAATT	TACTTTTCAA	·AAGATTAAAT	CCDDACTCDA	
CAAAATTCTA	CCCTGAAACT	TACTCCATCC	AAATATTGGA	ATAANAGTCA	GCAGTGATAC	
ATTCTCTTCT	GAACTTTAGA	TTTTCTAGAA	AAATATGTAA	TAGTGATCAG	GAAGAGGTCT	•
TGTTCAAAAG	TACAACNAAG	CAATGTTCCC	TTACCATAGG	CCTTAATTCA	AACTTTGATC	420
ANCNTGGCTT	CCATCACGGG	AGTCAATGCT	ACCTGGGACA	CTTGTATTTT	GTTCATNCTG	480
M-CW100C11	AA	1.35			NOTE OF STREET	492

# (2) INFORMATION FOR SEQ. ID NO:198:

- оврем межне вывольность объекторического структи и объекторую секторую в (i) SEQUENCE CHARACTERISTICS FOR A CONTROL OF THE CHARACTERISTICS FOR A CONTROL OF THE CONTROL O
- or (A) LENGTH: 14.78 base pairs as was received problem of problem.
- 43(B) TYPE: nucleichacid the same as a second to a second to a second to the second to
- (C) STRANDEDNESS: single: 1000 And The Control of Advantage (D) TOPOLOGY: linear (ADAC TIDE OF ALL TOPE OF A TOPAL AND A TOPAL
- THE THE TOTAL PROPERTY OF A STREET OF THE WAS A STREET OF THE WAS

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:198:

			-			
		1 7 1	200 1 30	5 ST 1999 11		
TTTNTTTTGN	ATTTCANTCT	GTANNAANTA	TTTTCATTAT	מאמייימיייים	ΔΔλητητική	60
TGTNTCCACN	ACAAATCATN	TTACNTNAGT	AAGAGGCCAN	י מיוייטיויים מייטיים אייטימייטיים אייטיים	CAACATACAC	
TGAGTATATT	TTGAAAAGGA	CAAGTTTAAA	GTANACNCAT	ATTICOCCONIC	ATANCACATT	. 120
TATACATGGC	ጥጥርልጥጥርልጥል	TTTTACCACAC	CIMINCHEMI	ATTGCCGANC	ATANCACATT	180
NATATATCTC	A A TONI I ON I A	111AGCACAG	CANAAACTGA	GTGAGTTACC	AGAAANAAAT	240
NATATATGTC	AATCNGATTT	AAGATACAAA	ACAGATCCTA	TGGTACATAN	CATCNTGTAG	300
GAGTTGTGGC	TITATGTTTA	CTGAAAGTCA	ATGCAGTTCC	TGTACAAAGA	GATGGCCGTA	360
AGCATTCTAG	TACCTCTACT	CCATGGTTAA	GAATCGTACA	<b>ርጥጥልጥርጥጥጥ</b> ል	CATATOTACA	420
GGGTAAGAAT	TGTGTTAAGT	NAANTTATGG	AGAGGTCCAN	GAGAAAATT	TCATACA	478
		* *		OLIGINALITY I	TOWTHOWA	4/8

6 7. 2.

THE RELEASE WAS A SET OF THE LAND THE

PROPERTY.

#### PROCESS OF OTE AND THE STORY (2) INFORMATION FOR SEQ ID NO:199: and the more than the second of the second o

- (i) SEQUENCE CHARACTERISTICS: ATC. Company of
  - (A) LENGTH: 482 base pairs of the control of grant product a many
- (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

 $((x_1,x_2,x_3),\dots,(x_n,x_n))$ 

# ල් දෙන සිටිව ද විව වන ලේක් නැති කළෙනු සි සිදු ද (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1994 A TOTAL A CONTRACT

	•	, , , , , , , , , , , , , , , , , , , ,			
ACTICA CITTORI COMOGRA CA		artes to the second	ray wall gard	医髓性性 铁 化二苯	: .
AGIGACTIGI CCTCCAACAA	. AACCCCTTGA	TCAAGTTTGT	GGCACTGACA	ሽጥሮች ሮች <b>ሪ</b> ሮመች	60
TGCTAGTTCC TGTCATCTAT	TCGCTACTAA	ATGCAGACTC	CACCCCAACCA	ALL CHORCOLA	
TCAACTCCAG CTGGATTATT	TTCCACCOTC	CAAAMOMCIG	GAGGGGACCA	AAAAGGGGCA	1.20
ACTCATTCAC TOTALIA	COLORGECIG	CAAATCTATT	CCTACTTGTA	CGGACTTTGA	180
AGTGATTCAG TTTCCTCTAC	GGATGAGAGA	CTGGCTÇAAG	AATATCCTCA	TGCAGCTTTA	240
IGAAGCCNAC TCTGAACACG	CTGGTTATCT	NAGATGAGAA	NCAGAGAAAT	A A A CITICATA CIA	300
AAATTTACCT GGANGAAAAG	AGGCTTTNGG	CTGGGGACCA	ጥርርር አጥጥር እ	COMMOMOM	
ANGGACTTTA AGAANAAACT	ACCACATOM	TOTALOGO	TCCCATIGAA	CCTTCTCTTA	360
AACNTNOACH NOACGOTTON	CCACATGIN	IGINGIATCC	TGGTGCCNGG	CCGTTTANTG	420
AACNTNGACN NCACCCTTNT	GGAATANANT	CTTGACNGCN	TCCTGAACTT	GCTCCTCTGC	480
GA				aut n	482

(2) INFORMATION FOR SEQ ID NO:200:

(i) SEQUENCE CHARACTERISTICS		
(A) LENGTH: 270 base pairs	3	
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	The state of the s	
(D) TOPOLOGY: linear		
(D) 10102001: 12		: .
	TO TO MO 200	
(xi) SEQUENCE DESCRIPTION: S	PRO ID MO:SOO:	
		60
CGGCCGCAAG TGCAACTCCA GCTGGGGCCG	rgcggacgaa gattctgcca gcagttggtc	-
CGACTGCGAC GACGGCGGCG GCGACAGTCG	CAGGTGCAGC GCGGGCGCCT GGGGTCTTGC	120
AAGGCTGAGC TGACGCCGCA GAGGTCGTGT	CACGTCCCAC GACCTTGACG CCGTCGGGGA	180
CAGCCGGAAC AGAGCCCGGT GAANGCGGGA	GCCTCGGGG AGCCCCTCGG GAAGGGCGGC	240
CCGAGAGATA CGCAGGTGCA GGTGGCCGCC	ranger DELBOTT COUNTY TO THE SECOND	270
E PART OF THE PROPERTY OF THE		<u></u>
(2) INFORMATION FOR SEQ	tn' 110 - 201 -	1.5
		:*.
A VIOLENCE TOMORER AND THE	The state of the s	
(i) SEQUENCE CHARACTERISTIC		
(A) LENGTH: 419 base pair	S	4
(B) TYPE: nucleic acid		
(C) STRANDEDNESS single		>
(D) TOPOLOGY: linear		
(D) 10101001	(1) (1) (1) (4) (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
/ ! A CHONWARD DESCRIPTION.	SEQ ID NO:201:	i
(X1) SEQUENCE DESCRIPTION:	SBQ ID NO.201.	
		60
TTTTTTTTT TTTTGGAATC TACTGCGAGC	ACAGCAGGTC AGCAACAAGT TTATTTTGCA	
GCTAGCAAGG TAACAGGGTA GGGCATGGTT	ACATGTTCAG GTCAACTTCC TTTGTCGTGG	120
TTGATTGGTT TGTCTTTATG GGGGCGGGGT	GGGGTAGGGG AAANCGAAGC ANAANTAACA	180
TGGAGTGGGT GCACCCTCCC TGTAGAACCT	GGTTACNAAA GCTTGGGGCA GTTCACCTGG	240
TOTOTOACCO TOATTTTCTT GACATCAATG	TTATTAGAAG TCAGGATATC TTTTAGAGAG	300
TCCACTGTNT CTGGAGGGAG ATTAGGGTTT	CTTGCCAANA TCCAANCAAA ATCCACNTGA	360
AAAAGTTGGA TGATNCANGT ACNGAATACC	GANGGCATAN TTCTCATANT CGGTGGCCA	419
AAAAGIIGGA IGAINCANGI ACNOAINEC		$f^{\prime\prime}$ .
	TRE NO. 202	
(2) INFORMATION FOR SEQ		4 .
	the contract of the contract o	1
(i) SEQUENCE CHARACTERISTIC	<b>'S:</b>	:
(A) LENGTH: 509 base pair	<b>'S</b>	
(B) TYPE: nucleic acid	The second of th	
(C) STRANDEDNESS: single		
Via moror ocy. linear		
医二氯二甲基甲基苯基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲		
and the second of the second o		
(xi) SEQUENCE DESCRIPTION:		
(XI) SECUENCE DESCRIPTION:	SEQ ID NO:202.	
· · · · · · · · · · · · · · · · · · ·		60
TTTNTTTTTT TTTTTTTTTTTTTTTTT	1111111111 11111111	
TGGCACTTAA TCCATTTTTA TTTCAAAATG	TCTACAAANT TTNAATNCNC CATTATACNG	120
GTNATTTTNC AAAATCTAAA NNTTATTCAA	ATNTNAGCCA AANTCCTTAC NCAAATNNAA	180
TACHCHCAAA AATCAAAAAT ATACHTNTCT	TTCAGCAAAC TTNGTTACAT AAATTAAAAA	240
AATATATACG GCTGCTGTTT TCAAAGTACA	ATTATCTTAA CACTGCAAAC ATNTTTNNAA	300
TOUR TOUR REAL CONTROL OF THE PROPERTY OF THE	AAGGTTAAAG GGAACAACAA ATTCNTTTTA	360
CONTRACTOR INTERNATIONS AND	AAATCTTAGG GGAATATATA CTTCACACNG	420
CAACANCINC NATTATAAAA ATCATATCTC	MMMICIIMOG GGMMINIMIN CITCACACHO	_
	TITTETTANAA CCATTGTNTT GGGCCCAACA	480

CAATGGNAAT NCCNCCNCNC TGGACTAGT

# (2) INFORMATION FOR SEQ ID NO;203:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 583 base pairs
  - (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ.ID NO:203:

《 <u>····································</u>	
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	60
IAUAUATA!", ΤΑΤΤΙΤΙΔΊΔΑ .ΤΥΓΩΩΤΧΙΤΡΙΧΩ ΧΙΡΧΙΙΠΟΧΧΧΧ	
TARMOGRADA COMPANIA TRANSPORTATION AND TRANSPORTATI	120
TAAATGGAAA CTGCCTTAGA TACATAATTC TTAGGAATTA GCTTAAAATC TGCCTAAAGT	180
CIAAAATCTTC TCTACCTCTT TTTCACTCTAA ACTOCTCTAA	
ATTIPUTOTO TOTALE A A M. TATIONA A TOTALE CONTINUE A CO	240
ATTITICTE TOTTAAAAT TATCTAATOT TTCCATTTTT TCCCTATTCC AAGTCAATTT	300
CCTTCTCTAC CCTCATTCCC TACCTCTTATA CONSCIENTATION CO	360
ACCCANANCA CONSONANA AMOCONOS ASSESSADAS TARGEOCCI TITICCIARA	360
AGGGAAAACA GGAAGAGANA ATGGCACACA AAACAAACAT TTTATATTCA TATTTCTACC	120
ግልርርሞንልጥል አልአጥአርርአጥም ምምርምርአአርርር አርርመርአአአርር	
TCCATTTTAC TCACTTA ACC AND TCCATTAC	180
TCCATTTTAG TCACTAAACG ATATCNAAAG TGCCAGAATG CAAAAGGTTT GTGAACATTT	540
ATTC Δ Δ Δ Δ C C	
	83

### (2) INFORMATION FOR SEQ ID NO:204:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 589 base pairs

· . . .  $\{x_2,x_3\}$ 

# (A) LENGTH: 589 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEO ID NO. 204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:204:

<u> </u>			DINGS NOT	1 1 . 72	en en a	1.5
TITITITINI	TTTTTTTTT	TTTTTTTNCTC	TTCTTTTTTT	TTGANAATGA	GGATCGAGTT	60
TTTCACTCTC	TAGATAGGGC	ATGAAGAAAA	CTCATCTTTC	CAGCTTTAAA	ΑΤΑΑΓΑΑΤΓΑ	120
AATCTCTTAT	GCTATATCAT	ATTTTAAGTT	AAACTAATGA	GTCACTGGCT	<b>ጥ</b> ልጥርጥጥር ር	180
TGAAGGAAAT	CTGTTCATTC	TTCTCATTCA	TATAGTTATA	TCAAGTACTA	<i>ር</i> ርግጥር ርጋ ምልጥ	240
TGAGAGGTTT	TTCTTCTCTA	TTTACACATA	TATTTCCATG	TGAATTTGTA	TCAAACCTTT	300
ATTTTCATGC	AAACTAGAAA	ATAATGTNTT	CTTTTGCATA	AGAGAAGAGA	ACAATATNAG	360
CATTACAAAA	CTGCTCAAAT	TGTTTGTTAA	GNTTATCCAT	TATAATTAGT	TNGGCAGGAG	420
CTAATACAAA	TCACATTTAC	NGACNAGCAA	TAATAAAACT	GAAGTACCAG	ТТАААТАТСС	480
AAAATAATTA	AAGGAACATT	TTTAGCCTGG	GTATAATTAG	CTAATTCACT	ттасаассат	540
TTATTNAGAA	TGAATTCACA	TGTTATTATT	CCNTAGCCCA	ACACAATGG		589

#### o kaj di dire kaj direktorio din propinskoj k (2) INFORMATION FOR SEQ ID NO:205:

- (i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 545 base pairs
- (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:205:

TTTTTTTTT	TTTTTTCAGT	AATAATCAGA	ACAATATTTA	TTTTTATATT	TAAAATTCAT	60
AGAAAAGTGC	CTTACATTTA	ATAAAAGTTT	GTTTCTCAAA	GTGATCAGAG	GAATTAGATA	120
TNGTCTTGAA	CACCAATATT	AATTTGAGGA	AAATACACCA	AAATACATTA	AGTAAATTAT	180
TTAAGATCAT	AGAGCTTGTA	AGTGAAAAGA	TAAAATTTGA	CCTCAGAAAC.	TCTGAGCATT	240
AAAAATCCAC	TATTAGCAAA	TAAATTACTA	TGGACTTCTT	GCTTTAATTT	TGTGATGAAT	300
ATGGGGTGTC	ACTGGTAAAC	CAACACATTC	TGAAGGATAC	ATTACTTAGT	GATAGATTCT	360
TATGTACTTT	GCTANATNAC	GTGGATATGA	GTTGACAAGT	TTCTCTTTCT	TCAATCTTTT	420
AAGGGGCNGA	NGAAATGAGG	AAGAAAAGAA	AAGGATTACG	CATACTGTTC	TTTCTATNGG	480
AAGGATTAGA	TATGTTTCCT	TTGCCAATAT	TAAAAAAATA	ATAATGTTTA	CTACTAGTGA	540
AACCC	4 . 434/37.	Her Grand	1.60. 12.60	grand and section	ting the state of	545
128 2 17		·	<u> 12.55 363</u>			. :
- C	2) INFORMAT	ION FOR SEQ	ID NO:205:	F	t tyruf ji	**
1.45, 14.		<u>ne sa toma</u>	119 / FINE D	and the second		
(i) -{	SEQUENCE CH	ARACTERISTIC	.S:	**************************************		
, (A	LENGTH: 4	87 base pail	<b>င်္ဘေ</b> ုက္ကြက္ႏိုက္မ			
						ing Tanggar
(D	) TOPOLOGY:	_linear	5 01 3500	State of Activity		
	MOT DOWN D. TO	VDD - CDNA				
(11)	MOLECOLE I	IPE: CDNA.		r edital project		
( )	OROUGHICE D	ECCDIDTION.	SEC ID NO.	206:	· · · · · · · · · · · · · · · · · · ·	
(XI)	SEQUENCE D	ESCRIFIION.	DEQ 25, 10.			. •
en management de la companie de la c	ተቀመመመመመን ረጣር	አ አርተሞተርሞ <b>ለ</b> ል	ͲΤΤΤΤΑΤΤΤΑΤ	AATTAAAGTC	TTGGTCATTT	60
	CTCTCCAACT	ጥልሮልጥልጥሞፑል	AATTAAAGAA	ACGTTNTTAG	ACAACTGTNA	120
CATITATIAG	ATCTAACCTC	CCATTATTGA	GTANATATAT	TCCTCCAAGA	GTGGATGTGT	180
CCCTTCTCCC	TAATTAAT	GAANCAGCAA	CATTAGTTTA	ATTTTATTAG	TAGATNATAC	240
ACTGCTGCAA	ACCCTAATTC	TCTTCTCCAT	CCCCATGTNG	ATATTGTGTA	TATGTGTGAG	300
TTGGTNAGAA	TGCATCANCA	ATCTNACAAT	CAACAGCAAG	ATGAAGCTAG	GCNTGGGCTT	360
TCGGTGAAAA	TAGACTGTGT	CTGTCTGAAT	CAAATGATCT	GACCTATCCT	CGGTGGCAAG	420
AACTCTTCGA	ACCGCTTCCT	CAAAGGCNGC	TGCCACATTT	GTGGCNTCTN	TTGCACTTGT	480
TTCAAAA					State of the Alexander	487
			NOW 11 75			eMT.
<i>"</i> (	2) INFORMAT	ION FOR SEQ	ID NO:207:	Ay + 4+ 7 - +.		17.
•	•			• ,	:	
(i)	SEQUENCE CH	IARACTERISTI	CS:			
		32 base pai		•	5	
(E	) TYPE: nuc	leic acid	17.77	Part Comme		
(0	) STRANDEDN	TESS: single		7 °,		:
([	) TOPOLOGY:	linear		e grand and the	1 · · · · · · · · · · · · · · · · · · ·	
			Ē.			•
(ii)	MOLECULE T	TYPE: cDNA				
				• ,	٠.	
(xi)	SEQUENCE I	ESCRIPTION:	SEQ ID NO:	207:		
		_				
TGAATTGGCT	T AAAAGACTG	C ATTTTTANAA	CTAGCAACTO	TTATTTCTTT	CCTTTAAAAA	60
TACATAGCAT	TAAATCCCA	A ATCCTATTTA	AAGACCTGAC	AGCTTGAGAA	GGTCACTACT	120
GCATTTATAC	GACCTTCTG	TGGTTCTGCT	GTTACNTTTC	AANTCTGACA	ATCCTTGANA	180
ATCTTTGCAT	C GCAGAGGAG	G TAAAAGGTAT	TGGATTTTC	A CAGAGGAANA	ACACAGCGCA	240
GAAATGAAG	GGCCAGGCT	r ACTGAGCTTC	TCCACTGGAG	GGCTCATGGG	TGGGACATGG	300
AAAAGAAGG	CAGCCTAGGC	C CTGGGGAGCC	C, CA	• • • • • • • • • • • • • • • • • • • •		332
						4.2

- (2) INFORMATION FOR SEQ ID NO:208:
- (i) SEQUENCE CHARACTERISTICS:

	(A) LENGTH: 524 base pairs	
:	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	•
	(D) TOPOLOGY: linear fine fine fine fine fine fine fine fine	
·.	r de la Marinia de la como se en la compansión de la compansión de la compansión de la compansión de la compan Compansión de la compansión	
ind Gen	(ii) MOLECULE TYPE: CDNA CARACTER DESERVED AND AND AND AND AND AND AND AND AND AN	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO. 208: COAL BOOK AND A SECOND OF THE	•
	AGGGCGTGGT GCGGAGGGCG TTACTGTTTT GTCTCAGTAA CAATAAATAC AAAAAGACTG	60
	GTTGTGTTCC GGCCCCATCC AACCACGAAG TTGATTTCTC TTGTGTGCAG AGTGACTGAT	120
	TTTAAAGGAC ATGGAGCTTG TCACAATGTC ACAATGTCAC AGTGTGAAGG GCACACTCAC	180
	TCCCGCGTGA TTCACATTTA GCAACCAACA ATAGCTCATG AGTCCATACT TGTAAATACT	240
•.	TTTGGCAGAA TACTTNTTGA AACTTGCAGA TGATAACTAA GATCCAAGAT ATTTCCCAAA	300
	GTAAATAGAA GTGGGTCATA ATATTAATTA CCTGTTCACA TCAGCTTCCA TTTACAAGTC	360
. :	ATGAGCCCAG ACACTGACAT CAAACTAAGC CCACTTAGAC TCCTCACCAC CAGTCTGTCC	420
• •	TGTCATCAGA CAGGAGGCTG TCACCTTGAC CAAATTCTCA CCAGTCAATC ATCTATCCAA	480
	AAACCATTAC CTGATCCACT TCCGGTAATG CACCACCTTG GTGA	524
	(2) INFORMATION FOR SEQ ID NO: 209:	
	(i) SEQUENCE CHARACTERISTICS: 12 20 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
	(A) LENGTH: 159 base pairs	
25		•
ζ,	(C) STRANDEDNESS: single With Active 2 " July 5 th and 1 th	
1.5	(D) TOPOLOGI. IILCAI	
••! ••		
;	Principal Molecule Type: conationed by the first of the street and the second and	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 209:	.*.
	GGGTGAGGAA ATCCAGAGTT GCCATGGAGA AAATTCCAGT GTCAGCATTC TTGCTCCTTG	: 60
	TGGCCCTCTC CTACACTCTG GCCAGAGATA CCACAGTCAA ACCTGGAGCC AAAAAGGACA	120
	CAAAGGACTC TCGACCCAAA CTGCCCCAGA CCCTCTCCA	159
÷	(2) INFORMATION FOR SEQ ID NO. 210: (1) IN SEC. (1) (2) (3)	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 256 base pairs	
	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	
	(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: cDNA	
	(11) NOBBOOK III . CDRA	
ar r	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:210:	
	ACTCCCTGGC AGACAAAGGC AGAGGAGAGA GCTCTGTTAG TTCTGTGTTG TTGAACTGCC	
	ACTGAATTTC TTTCCACTTG GACTATTACA TGCCANTTGA GGGACTAATG GAAAAACGTA	60
	TGGGGAGATT TTANCCAATT TANGTNTGTA AATGGGGAGA CTGGGGCAGG CGGGAGAGAT	120
		180
	CCAGGATGCT AAATCA	240
	CCAGGAIGCI MAAICA	256

(2) INFORMATION FOR SEQ ID NO:211:

(1) 8	SEQUENCE CHARACTERISTIC	:S:		• 1	
(A)	LENGTH: 264 base pair	<b>'S</b>	the second second		
(B)	TYPE: nucleic acid		• . •	•	
(C)	TYPE: nucleic acid STRANDEDNESS: single	* : .		1.0	
(n)	TOPOLOGY: linear	, .		· ;: .	
(D)	Torobour. IIInour	*	•		
1221	MOLECULE TYPE: cDNA		14.		
(11.)	MOLECULE TIPE: CDNA	1, 1143			
		000 TD 110			
(xi)	SEQUENCE DESCRIPTION:	SEQ 1D NO:	211:1 20:12.0	aller 1	
	•				
	TTTGAGATAA: AGCATTGAGA.				
	ATACCCACAT CTTTGTTCTG				
	ACATATGTTA TATATTATTC				
	ATTCNGAAAG AGGACTGAAA				
AAAAAAGGAG	CAAATGAGAA. GCCT	医原子 网络花虫		MT COLD TO	264
1 Day 1	Section Section 1981	第四章 生物的 An	900 CE 1905	The state of the s	
(2	) INFORMATION FOR SEQ	ID NO:212:	1.00 E.00 E.	12 March 10 3 March	
			13 4 25 121		• • •
(i) 9	SEQUENCE CHARACTERISTIC	S:			
	LENGTH: 328 base pair			<u>.</u>	
	TYPE: nucleic acid				
	STRANDEDNESS: single	. n. n. n. se	Samiles in High		
	TOPOLOGY: linear		or Villa II e		
(D)	10F0h0d1. 11hear				
(22)	NOT BOTH B. MADE: ADMA			in the state of th	
(11)	MOLECULE TYPE: cDNA				
•			1960 - 1860 S		
(X1)	SEQUENCE DESCRIPTION:				
				A	
	CCAATGCTGA ATATTTGGCT				60
GGATTTAATG	TTGTCTCAGC TTGGGCACTT	CAGTTAGGAC	CTAAGGATGC	CAGCCGGCAG	120
GGATTTAATG GTTTATATAT	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG	CAGTTAGGAC CGACAACAGG	CTAAGGATGC TTATTGAACT	CAGCCGGCAG TGCCCGCCAG	120 180
GGATTTAATG GTTTATATAT TTNAATTTCA	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC	CAGTTAGGAC CGACAACAGG TTATCATCAG	CTAAGGATGC TTATTGAACT CCAGAGAGAT	CAGCCGGCAG TGCCCGCCAG TGLAAATTTA	120 180 240
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (2	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (2	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC  (1) (1) (A) (B)	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC (2 (i) (i) (A) (B) (C	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC (2 (i) (i) (A) (B) (C	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC (; (i) (; (A) (B) (C) (D)	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC (; (i) (; (A) (B) (C) (D)	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC  (i) (i) (i) (i) (i) (i) (i) (ii)	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC  (i) (i) (i) (i) (i) (i) (i) (ii)	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (i) (i) (ii) (ii) (xi)	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: CDNA SEQUENCE DESCRIPTION:	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG ID NO:213:	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG	CAGCCGCAG TGCCCGCCAG TGAAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (i) (i) (A) (B) (C) (D) (ii) (xi) ACTTATGAGC	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA  SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213: CS: CS: CS: AGACTGAATA	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213:	CAGCCGCAG TGCCCGCCAG TGAAATTTA CTTGGCCACA	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (i) (i) (A) (B) (C) (ii) (xi) ACTTATGAGC TAAAGCATTG	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA  SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT CTCACTGAAG GGATAGAAGT	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213: CS: CS: AGACTGAATA GACTGCCAGG	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213: AAACTGAATT AGGGAAAGTA	CAGCCGGCAG TGCAAATTTA CTTGGCCACA  CTCTCCAGTT AGCCAAGGCT	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (i) (i) (A) (B) (C) (ii) (xi)  ACTTATGAGC TAAAGCATTG CATTATGCCA	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA  SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT CTCACTGAAG GGATAGAAGT AAGGANATAT ACATTTCAAT	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213: CS: CS: AGACTGAATA GACTGCAACT GACTGCAAACT	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213: AAACTGAATT AGGGAAAGTA TCTTCCTCAT	CAGCCGGCAG TGCAAATTTA CTTGGCCACA  CTCTCCAGTT AGCCAAGGCT TCCAAGAGTT	120 180 240 300 328
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (i) (i) (A) (B) (C) (ii) (xi)  ACTTATGAGC TAAAGCATTG CATTATGCCA TTCAATATTTT	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA  SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT CTCACTGAAG GGATAGAAGT AAGGANATAT ACATTTCAAT GCATGAACCT GCTGATAANC	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213:  SEQ ID NO: AGACTGAATA GACTGCAGG TCTCCAAACT CATGTTAANA	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213:  AAACTGAATT AGGGAAAGTA TCTTCCTCAT AACAAATATC	CAGCCGCAG TGCAAAATTTA CTTGGCCACA  CTCTCCAGTT AGCCAAGGCT TCCAAGAGTT TCTCTNACCT	120 180 240 300 328 60 120 180 240
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTC  (i) (i) (A) (B) (C) (ii) (xi)  ACTTATGAGC TAAAGCATTG CATTATGCCA TTCAATATTT	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT CTCACTGAAG GGATAGAAGT AAGGANATAT ACATTTCAAT GCATGAACCT GCTGATAANC	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213:  SEQ ID NO: AGACTGAATA GACTGCCAGG TCTCCAAACT CATGTTAANA	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213:  AAACTGAATT AGGGAAAGTA TCTTCCTCAT AACAAATATC	CAGCCGGCAG TGCAAAATTTA CTTGGCCACA  CTCTCCAGTT AGCCAAGGCT TCCAAGAGTT TCTCTNACCT	120 180 240 300 328 60 120 180 240 250
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC  (i) (i) (k) (b) (ii) (xi)  ACTTATGAGC TAAAGCATTG CATTATGCA TTCATCGGT	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pain TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT CTCACTGAAG GGATAGAAGT AAGGANATAT ACATTTCAAT GCATGAACCT GCTGATAANC	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213: CS: CS: AGACTGAATA GACTGCCAGG TCTCCAAACT CATGTTAANA	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213: AAACTGAATT AGGGAAAGTA TCTTCCTCAT AACAAATATC	CAGCCGCAG TGCAAATTTA CTTGGCCACA  CTCTCCAGTT AGCCAAGGCT TCCAAGAGTT TCTCTNACCT	120 180 240 300 328 60 120 180 240 250
GGATTTAATG GTTTATATAT TTNAATTTCA CCCCTACNAC TTTTTTTTTC  (i) (i) (k) (b) (ii) (xi)  ACTTATGAGC TAAAGCATTG CATTATGCA TTCATCGGT	TTGTCTCAGC TTGGGCACTT GCAGCAACAA TATTCAAGCG TTCCCATTGA CTTGGGATCC TCTTTACTCT CTGGANAGGG CTTTATTCCT TTGTCAGA  2) INFORMATION FOR SEQ SEQUENCE CHARACTERISTIC LENGTH: 250 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear  MOLECULE TYPE: cDNA SEQUENCE DESCRIPTION: AGAGCGACAT ATCCNAGTGT CTCACTGAAG GGATAGAAGT AAGGANATAT ACATTTCAAT GCATGAACCT GCTGATAANC	CAGTTAGGAC CGACAACAGG TTATCATCAG CCAGTGGTGG  ID NO:213: CS: CS: AGACTGAATA GACTGCCAGG TCTCCAAACT CATGTTAANA	CTAAGGATGC TTATTGAACT CCAGAGAGAT TAGCTATAAG  213: AAACTGAATT AGGGAAAGTA TCTTCCTCAT AACAAATATC	CAGCCGCAG TGCAAATTTA CTTGGCCACA  CTCTCCAGTT AGCCAAGGCT TCCAAGAGTT TCTCTNACCT	120 180 240 300 328 60 120 180 240 250

(1) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 444 base pairs		
(R) TVDR+ nucleic acid		
(C) STRANDEDNESS: single	Company of the State of the Company	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	Fritz Cara National Control	
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(ii) MOLECULE TYPE: cDNA	ed in the displacement of the	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 214:550 00012 0 522 0 6 7	
ACCCAGAATC CAATGCTGAA TATTTGGCTT CATT	FATTCCC: AGATTCTTTG: ATTGTCAAAG	60
GATTTAATGT: TGTCTCAGCT: TGGGCACTTC AGTT	PAGGACC TAAGGATGCC AGCCGGCAGG	120
TTTATATATG CAGCAACAAT ATTCAAGCGC GACA	ACAGGT TATTGAACTT: GCCCGCCAGT	: ,180
TGAATTTCAT TCCCATTGAC TTGGGATCCT TATC	ATCAGC CANAGAGATT GAAAATTTAC	240
CCCTACGACT CTTTACTCTC TGGAGAGGGC CAGT	GGTGGT AGCTATAAGC TTGGCCACAT	300
TTTTTTTCC TTTATTCCTT TGTCAGAGAT GCGA	ATTCATC CATATGCTAN AAACCAACAG	360
AGTGACTTTT ACAAAATTCC TATAGANATT GTGA	ATAAAA CCTTACCTAT AGTTGCCATT	420
ACTTTGCTCT CCCTAATATA CCTC	•	444
r gr	TO A MANAGEMENT OF THE STATE OF	
(2) INFORMATION FOR SEQ ID-N	10:215: 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	file of the second	
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 366 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
	Selection of the select	
(ii) MOLECULE TYPE: cDNA		
The Control of the Co		
(vi) SPOUPLOR DECELERATION (CRO)	Andrew Marketter (1995) and the second of th	1,1
(xi) SEQUENCE DESCRIPTION: SEQ	ID_NO: 215:	:
ACTUATION OF ACADICATION ATTICATED TO THE ACTUATION OF THE ACTUATION ACTUATION ATTICATED TO THE ACTUATION OF THE ACTUATION ACT		_}
ACTTATGAGC AGAGCGACAT ATCCAAGTGT ANACTTANA	TGAATA AAACTGAATT CTCTCCAGTT	: ₹ 60
TAAAGCATTG CTCACTGAAG GGATAGAAGT GACTC	GCCAGG AGGGAAAGTA AGCCAAGGCT	120
CATTATGCCA AAGGANATAT ACATTTCAAT TCTCC	CAAACT TCTTCCTCAT TCCAAGAGTT	180
TTCAATATTT GCATGAACCT GCTGATAAGC CATG	TTGAGA AACAAATATC TCTCTGACCT	240
TCTCATCGGT AAGCAGAGGC TGTAGGCAAC ATGG	ACCATA GCGAANAAAA AACTTAGTAA	300
TCCAAGCTGT TTTCTACACT GTAACCAGGT TTCCA	AACCAA GGTGGAAATC TCCTATACTT	360
GGTGCC	E BARK DRAW, AT ENDOWNER, BY	366
ŧ	선생님 소리들이 되었는 생물이 되었는데 그 없는 것이 없다.	•
(2) INFORMATION FOR SEQ ID NO	<b>0:216:</b>	
·	。(1)(1)(B)等的注意的第三人称:	
(i) SEQUENCE CHARACTERISTICS:	safe en andare ha	
(A) LENGTH: 260 base pairs		
	San Bright Charles and Charles	
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear	The Control of the Co	
, , , , , , , , , , , , , , , , ,		
(ii) MOLECULE TYPE: cDNA	en de la companya de La companya de la co	
1.75		
(xi) SEQUENCE DESCRIPTION: SEQ I	[D. NO. 316.	•
ANY SECONDED DESCRIPTION: SEC 1	EDITO: ALD: The A REPORT OF THE E	
CTGTATAAAC AGAACTCCAC TCCANGACGC 3CCC	700000 0200202	
CTGTATAAAC AGAACTCCAC TGCANGAGGG AGGGC	COGGC CAGGAGAATC TCCGCTTGTC	
CAAGACAGGG GCCTAAGGAG GGTCTCCACA CTGCT	INNIAA GGGCTNTTNC ATTITTTAT	120
TAATAAAAAG TNNAAAAGGC CTCTTCTCAA CTTTT	TITCCC TTNGGCTGGA AAATTTAAAA	180
ATCAAAAATT TCCTNAAGTT NTCAAGCTAT CATAT	TATACT NTATCCTGAA AAAGCAACAT	240

AATTCTTCCT TCCCTCCTTT		260
(2) INFORMATION FOR SEQ	ID NG:217:	
(i) SEQUENCE CHARACTERISTIC		
(A) LENGTH: 262 base pair	. <b>5</b>	
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(b) TOPOLOGI: Tillear		
(ii) MOLECULE TYPE: cDNA	the first and the state of the state of	
(11) MOLECULE TIPE: CDNA		-
(xi) SEQUENCE DESCRIPTION:		
ACCTACGTGG GTAAGTTTAN AAATGTTATA	ATTTCAGGAA 'NAGGAACGCA TATAATTGTA	60
TCTTGCCTAT AATTTTCTAT TTTAATAAGG	AAATAGCAAA TIGGGGTGGG GGGAATGTAG	120
GGCATTCTAC AGTTTGAGCA AAATGCAATT	AAATGTGGAA GGACAGCACT GAAAAATTTT	180
ATGAATAATC TGTATGATTA TATGTCTCTA	GAGTAGATTT ATAATTAGCC ACTTACCCTA	240
ATATCCTTCA TGCTTGTAAA GT		262
(2) INFORMATION FOR SEQ	ID NO:218: 1 180	
(i) SEQUENCE CHARACTERISTIC	CS: 10 OF THE CALL OF THE CASE	
(n) remarks our base main	<del>ra</del>	
(n) mine minloid anid.	三門 转换 变变锐 美国化 医乳糜 医二氯甲酚 对外的 化二氯化甲基酚	
'a ampamanuaca ainala	たいはず きんも 化 (4時) オンディスト しんしょ がや セーバー・イナー	
(D) TOPOLOGY: linear	THE WORLD STATE OF THE PARTY OF	<i>.</i> * •
, .		
(ii) MOLECULE TYPE: cDNA	A CLAND AND AND AND AND AND AND AND AND AND	
(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:218:	
ACCAAGGTGG TGCATTACCG GAANTGGATC	AANGACACCA TCGTGGCCAA CCCCTGAGCA GGAACCTTGG AAATGACCAG GCCAAGACTC	60 120
AGGCCTCCC AGTTCTACTG ACCTTTGTCC	TTANGTNTNA NGTCCAGGGT TGCTAGGAAA	180
ANAAATCAGC AGACACAGGT GTAAA	TO THE SECOND STATE OF THE	205
(a) Transport TOP GEO		
(2) INFORMATION FOR SEQ	TO NO. 219:	
(i) SEQUENCE CHARACTERISTI	CS:	
(D) WVDC, published acid		5 e
(c) STRANDEDNESS: single		-
(n) Toporogy linear		
		1 % 1
(ii) MOLECULE TYPE: cDNA	Kler Let Line in the Miles of the search	
(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:219:	••
TACTGTTTTG TCTCAGTAAC AATAAATACA	A AAAAGACTGG TTGTGTTCCG GCCCCATCCA	60
ACCACGAAGT TGATTTCTCT TGTGTGCAGA	GTGACTGATT TTAAAGGACA TGGA	114
(2) INFORMATION FOR SEC	) ID NO:220:	

(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	<ul> <li>Let us the first property of the second secon</li></ul>
(D) TOPOLOGY: linear	
(2) IOIODOOI. IIMCAI	
	· 人名英格兰 数据 人名西西克斯 电电流 电电流
(ii) MOLECULE TYPE: cDNA	
•	the control of the co
(xi) SEQUENCE DESCRIPTION:	
10T1000100 1011110001 000T100T	
ACTAGCCAGC ACAAAAGGCA GGGTAGCCTG	AATTGCTTTC TGCTCTTTAC ATTTCTTTTA
AAATAAGCAT TTAGTGCTCA GTCCCTACTG	AGT grant to the grant port to the contract of
(2) INFORMATION FOR SEO	ID NO:221:
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(i) SECTIONCE CHARACTERISTS	CC.
(1) I DECEMBER CHARACTERESTE	<b>CS</b> হ' <sub>ে সমূ</sub> নত চালে নাম প্রসম্পাদক্ষিক হৈ হৈ লৈ সমূল । ১০
(A) LENGTH: 16? base pair	rs / rivings of the same of the same
(B) TYPE: nucleic acid	· "我们是我们的,我们就是我们的,我们就是我们的,我们就是我们的。"
(C) STRANDEDNESS: single	B. D. Golden and State State Configuration
(D) TOPOLOGY: linear	er kan di kanan di Karamatan di Karamatan di Karamatan di Karama
,	
(ii) MOLEGUE ENVER PV	
(ii) MOLECULE TYPE: cDNA	*************************************
(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:221:
	19. (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
ACTANGTGCA GGTGCGCACA AATATTTGTC	GATATTCCCT TCATCTTGGA TTCCATGAGG
ACTANGTGCA GGTGCGCACA AATATTTGTC	GATATTCCCT TCATCTTGGA TTCCATGAGG
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC 12
ACTANGTGCA GGTGCGCACA AATATTTGTC TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC 12
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT 16
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC 12
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  10 NO:222:
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  10 NO:222:
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:
TCTTTTGCCC AGCCTGTGGC TCTACTGTAG CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:
CCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 351 base pair  (B) TYPE: nucleic acid	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:
CCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 351 base pair  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222: CS:
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CCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 351 base pair  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:
CCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 351 base pair  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222: CS:
CCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 351 base pair  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear;  (ii) MOLECULE TYPE: cDNA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO: 222:
CCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  SEQ ID NO:222:
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (xi) SEQUENCE DESCRIPTION:	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  SEQ ID NO:222:
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear; (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  SEQ ID NO:222:  CATTAGTAGG AGGATGCATT CTGGCACCCC 6
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear; (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  SEQ ID NO:222:  CATTAGTAGG AGGATGCATT CTGGCACCCC 6
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA  12
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTTG CATAATCCAA  18
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CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA  TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT 30
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA  TTTTCTCTTT TATATTTCTA GAAGAAGTTT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT 30
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T 35
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS: CS: CS: CS: CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T. 35
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA  TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T 35
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 351 base pair  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT  (2) INFORMATION FOR SEQ ID NO:223	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T 35
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT  (2) INFORMATION FOR SEQ ID NO:223	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGC ATATTTGAGT GGTATTATTG TATTGATAAG T.  35
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT  (2) INFORMATION FOR SEQ ID NO:223  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 383 base pair	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T 35
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT  (2) INFORMATION FOR SEQ ID NO:223  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 383 base pair (B) TYPE: nucleic acid	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS: CS: CS: CS: CS: CS: CS: CS: CS: C
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT  (2) INFORMATION FOR SEQ ID NO:223  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 383 base pair (B) TYPE: nucleic acid	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS:  CS:  CS:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA CAACAGATAA AAATTAATAA TGAATTTTG CATAATCCAA CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T  SEQ ID NO:222:  CATTAGTAGG AGGATGCATT CTGGCACCCC GCCATACTGC ATAAAGTCAA 18 CTTTGAGCCT ATTAGATCCC GGGAATCTTT TGCTTTTACA TATATCTGGC ATATTTGAGT GGTATTATTG TATTGATAAG T
CCCCCACTAC CTTCCCTGAC GCTCCCCANA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 351 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  AGGGCGTGGT GCGGAGGGCG GTACTGACCT GTTCTTCACC TGTCCCCCAA TCCTTAAAAG ATGTTTGCTG AATTAAAGGA TGGATGAAAA TTTTCTCTTT TATATTTCTA GAAGAAGTTT TAGGTGAGCA TGATTAGAGA GCTTGTAGGT CTCGTATCAA AACAATAGAT TGGTAAAGGT  (2) INFORMATION FOR SEQ ID NO:223  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 383 base pair	GATATTCCCT TCATCTTGGA TTCCATGAGG TAAGTTTCTG CTGATGAGGA GCCAGNATGC AATCACCCAA CCTCTGT  ID NO:222:  CS: CS: CS: CS: CS: CS: CS: CS: CS: C

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:223:

					GGACTGATAT	60
TGGTAATTAT	GGTCAATTTA	ATWRTRTTKT	GGGGCATTTC	CTTACATTGT	CTTGACAAGA	120
TTAAAATGTC	TGTGCCAAAA	TTTTGTATTT	TATTTGGAGA	CTTCTTATCA	AAAGTAATGC	180
TGCCAAAGGA	AGTCTAAGGA	ATTAGTAGTG	TTCCCMTCAC	TTGTTTGGAG	TGTGCTATTC	240
TAAAAGATTT	TGATTTCCTG	GAATGACAAT	TATATTTTAA	CTTTGGTGGG	GGAAANAGTT	300
					ACTTGTTTTG	360
ACCATTAAGC	TATATGTTTA	AAA AA AAA	No. 4 (1)			383

# (2) INFORMATION FOR SEQ ID NO:224

# (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 320 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:224

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CCCCTGAAGG	CTTCTTGTTA	GAAAATAGTA	CAGTTACAAC	CAATAGGAAC	AACAAAAAGA	60
				CTCCCCATCA		120
				ATGTTCTAAA		180
					TGAAGGACAC	240
AAATGTGGCC	GTCCATCCTC	CTTTARAGTT	GCATGACTTG	GACACGGTAA	CTGTTGCAGT	300
TTTARACTCM	GCATTGTGAC					320

#### **CLAIMS**

- 1. A method for detecting prostate cancer in a patient, comprising:
- (a) contacting a biological sample obtained from the patient with a binding agent which is capable of binding to a polypeptide, the polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, wherein said protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos; 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences; and
- (b) detecting in the sample a protein or polypeptide that binds to the binding agent, thereby detecting prostate cancer in the patient.
- The method of claim 1 wherein the binding agent is a monoclonal antibody.
- 3. The method of claim 2 wherein the binding agent is a polyclonal antibody.
- 4. A method for monitoring the progression of prostate cancer in a patient, comprising:
- (a) contacting a biological sample obtained from the patient with a binding agent that is capable of binding to a polypeptide, said polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, wherein said protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences;
- (b) determining in the sample an amount of a protein or polypeptide that binds to the binding agent;
  - (c) repeating steps (a) and (b); and

comparing the amount of polypeptide detected in steps (b) and (c) to (d) monitor the progression of prostate cancer in the patient.

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- A monoclonal antibody that binds to a polypeptide comprising an 5. immunogenic portion of a prostate protein or a variant thereof, wherein said protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 8-29, 41-45, 47-52, 54-65, 70, 73, 74, 79, 81, 87, 90, 92, 93, 97, 103, 104, 107, 109-111, 115-160, 171, 173-175, 177, 181, 188, 191, 193, 194, 198, 203, 204, 207, 209-211, 220, 222-224, the complements of said nucleotide sequences variants of said nucleotide sequences. to got the could be trust course from the state of the
- A method for inhibiting the development of prostate cancer in a patient, comprising administering to the patient a therapeutically effective amount of a monoclonal antibody according to claim 54 and 100 and
  - The method of claim 6 wherein the monoclonal antibody is conjugated to a therapeutic agent.
- Same Super to Care A method for detecting prostate cancer in a patient comprising: 8.

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obtaining a biological sample from the patient; (a)

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- (b) contacting the sample with at least two oligonucleotide primers in a polymerase chain reaction, wherein at least one of the oligonucleotides is specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate protein or of a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences variants of said nucleotide sequences; and
- (c) detecting in the sample a DNA sequence that amplifies in the presence of the oligonucleotide primers, thereby detecting prostate cancer.

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9. The method of claim 8, wherein at least one of the oligonucleotide primers comprises at least about 10 contiguous nucleotides of a DNA molecule having a sequence selected from SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.

- 10. A diagnostic kit comprising:
  - (a) one or more monoclonal antibodies of claim 5; and

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- (b) a detection reagent:
- 11. 6.A diagnostic kit comprising: 11. 6.A diagnostic kit comprising: 11. 6.4 diagnostic kit comprising:
- (a) one or more monoclonal antibodies that bind to a polypeptide encoded by a DNA molecule having a nucleotide sequence selected from the group consisting of SEQ ID Nos: 5-7, 30-40, 46, 53, 66-69, 71, 72, 75-78, 80, 82-86, 88, 89, 91, 94-96, 98-102, 105, 106, 161-170, 179, 180, 182-187, 189, 190, 192, 195-197, 199-202, 205, 206, 208, 212-219, 221, the complements of said sequences and variants of said nucleotide sequences; and
- (b) a detection reagent.
  - 12. The kit of claims 10 or 11 wherein the monoclonal antibodies are immobilized on a solid support.

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- latex or a plastic material.
  - 14. The kit of claims 10 or 11 wherein the detection reagent comprises a reporter group conjugated to a binding agent.

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- 15. The kit of claim 14 wherein the binding agent is selected from the group consisting of anti-immunoglobulins, Protein G, Protein A and lectins.
- 16. The kit of claim 14 wherein the reporter group is selected from the group consisting of radioisotopes, fluorescent groups, luminescent groups, enzymes, biotin and dye particles.

- least one of the oligonucleotide primers being specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences.
- 18. A diagnostic kit of claim 17 wherein at least one of the oligonucleotide primers comprises at least about 10 contiguous nucleotides of a DNA molecule having a sequence selected from SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.
  - 19. A method for detecting prostate cancer in a patient, comprising:
  - (a) obtaining a biological sample from the patient;
- (b) contacting the biological sample with an oligonucleotide probe specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences; and
- (c) detecting in the sample a DNA sequence that hybridizes to the oligonucleotide probe, thereby detecting prostate cancer in the patient.
- 20. The method of claim 19 wherein the oligonucleotide probe comprises at least about 15 contiguous nucleotides of a DNA molecule having a sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.
- 21. A diagnostic kit comprising an oligonucleotide probe specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate

DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences variants of said nucleotide sequences.

22. The diagnostic kit of claim 21, wherein the oligonucleotide probe comprises at least about 15 contiguous nucleotides of a DNA molecule having a sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.

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